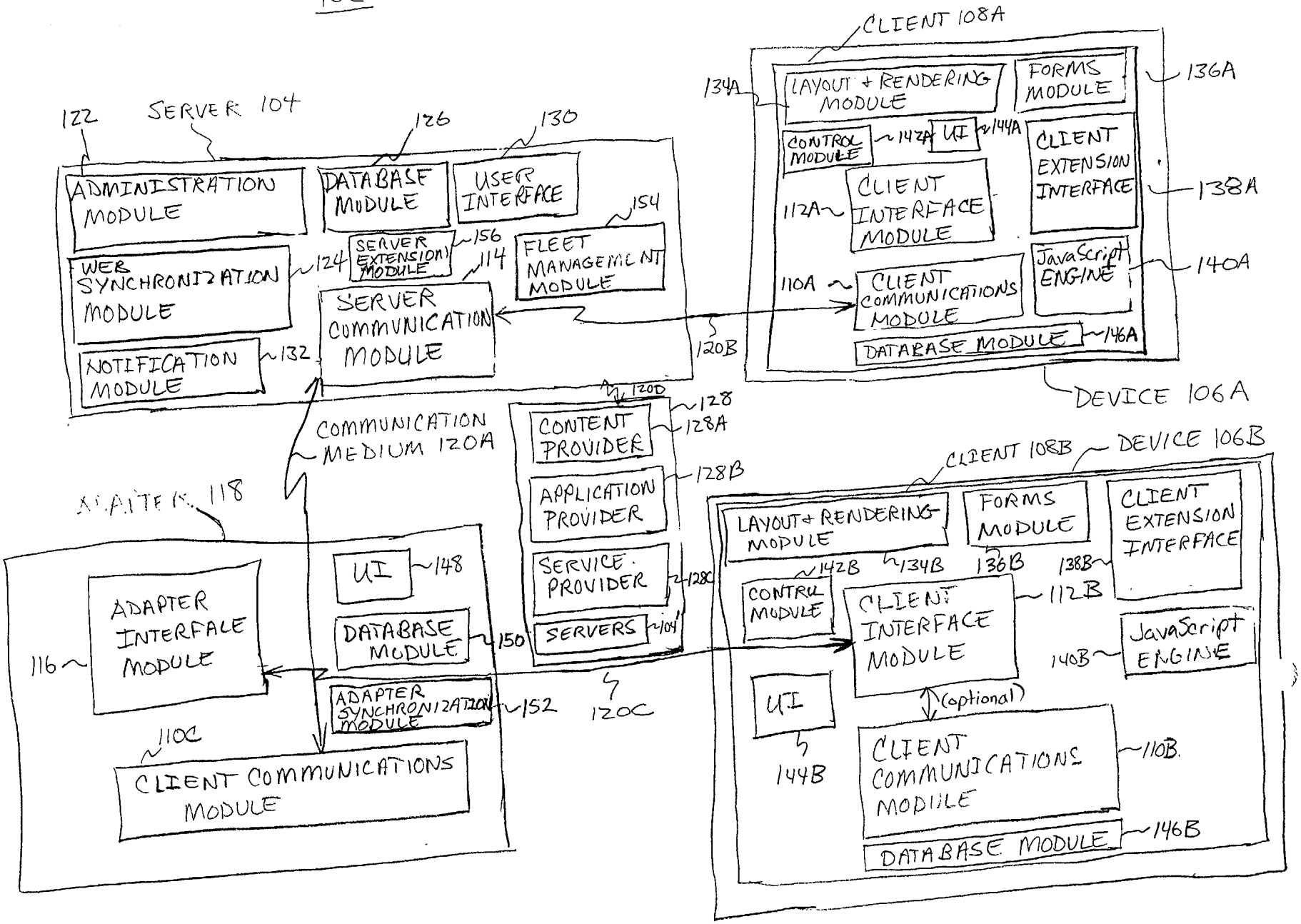

CLIENT 108A
LAYOUT + RENDERING MODULE
134A
FORMS MODULE
136A
CONTROL MODULE
142A
UI
144A
CLIENT EXTENSION INTERFACE
138A
CLIENT INTERFACE MODULE
112A
JavaScript ENGINE
140A
CLIENT COMMUNICATIONS MODULE
110A
DATABASE MODULE
146A
DEVICE 106A
SERVER 104
122
ADMINISTRATION MODULE
126
DATABASE MODULE
130
USER INTERFACE
154
FLEET MANAGEMENT MODULE
156
SERVER EXTENSION MODULE
124
WEB SYNCHRONIZATION MODULE
114
SERVER COMMUNICATION MODULE
120B
NOTIFICATION MODULE
132
120D
128
CONTENT PROVIDER
128A
APPLICATION PROVIDER
128B
SERVICE PROVIDER
128C
SERVERS
104'
COMMUNICATION MEDIUM 120A
ADAPTER 118
UI
148
ADAPTER INTERFACE MODULE
116
DATABASE MODULE
150
ADAPTER SYNCHRONIZATION MODULE
152
120C
110C
CLIENT COMMUNICATIONS MODULE
CLIENT 108B
DEVICE 106B
LAYOUT + RENDERING MODULE
142B
134B
FORMS MODULE
136B
CLIENT EXTENSION INTERFACE
138B
CONTROL MODULE
CLIENT INTERFACE MODULE
112B
JavaScript ENGINE
140B
UI
144B
(optional)
CLIENT COMMUNICATIONS MODULE
110B
DATABASE MODULE
146B

FIG. 1A

T08290 "28h26860

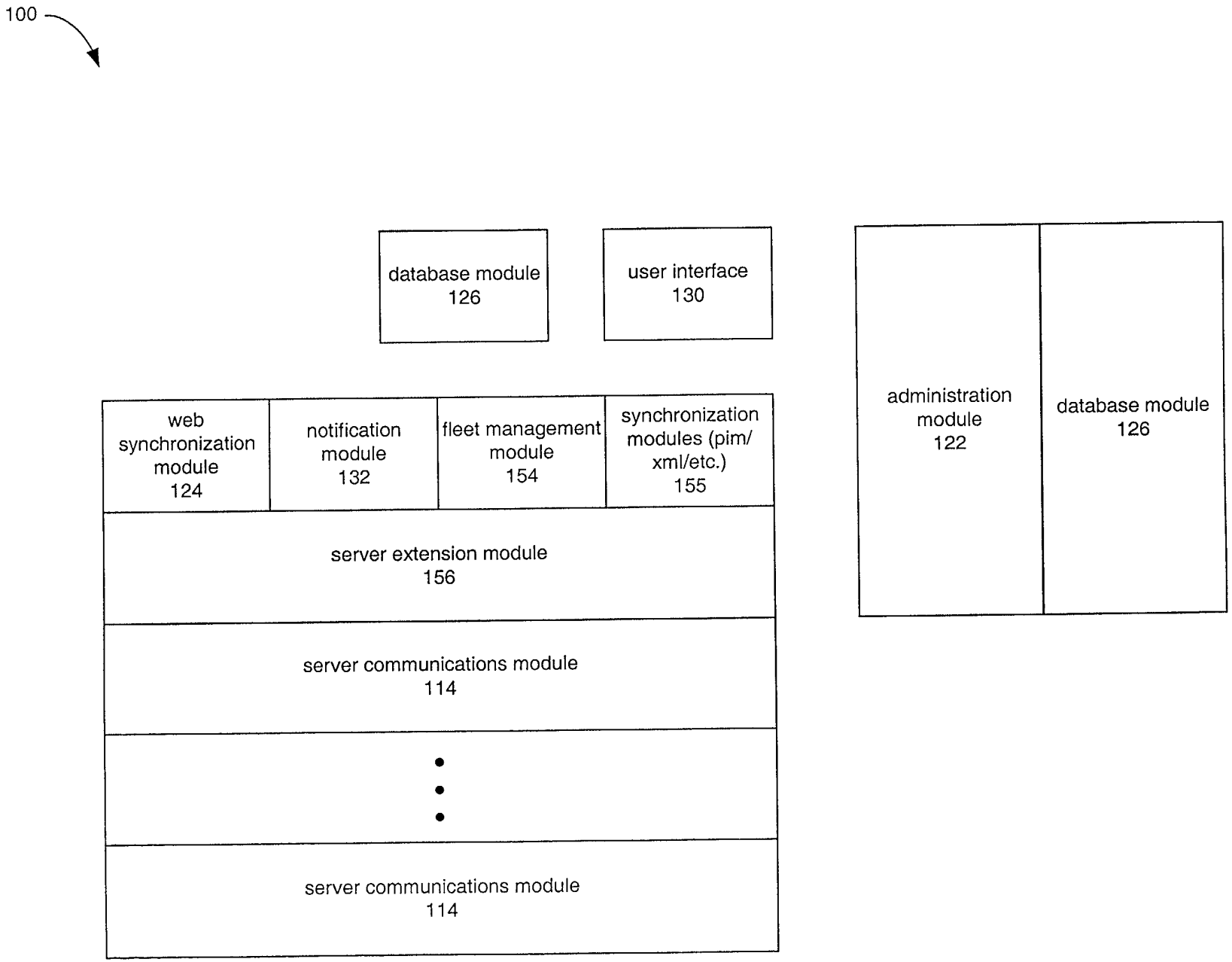


FIG. 1B

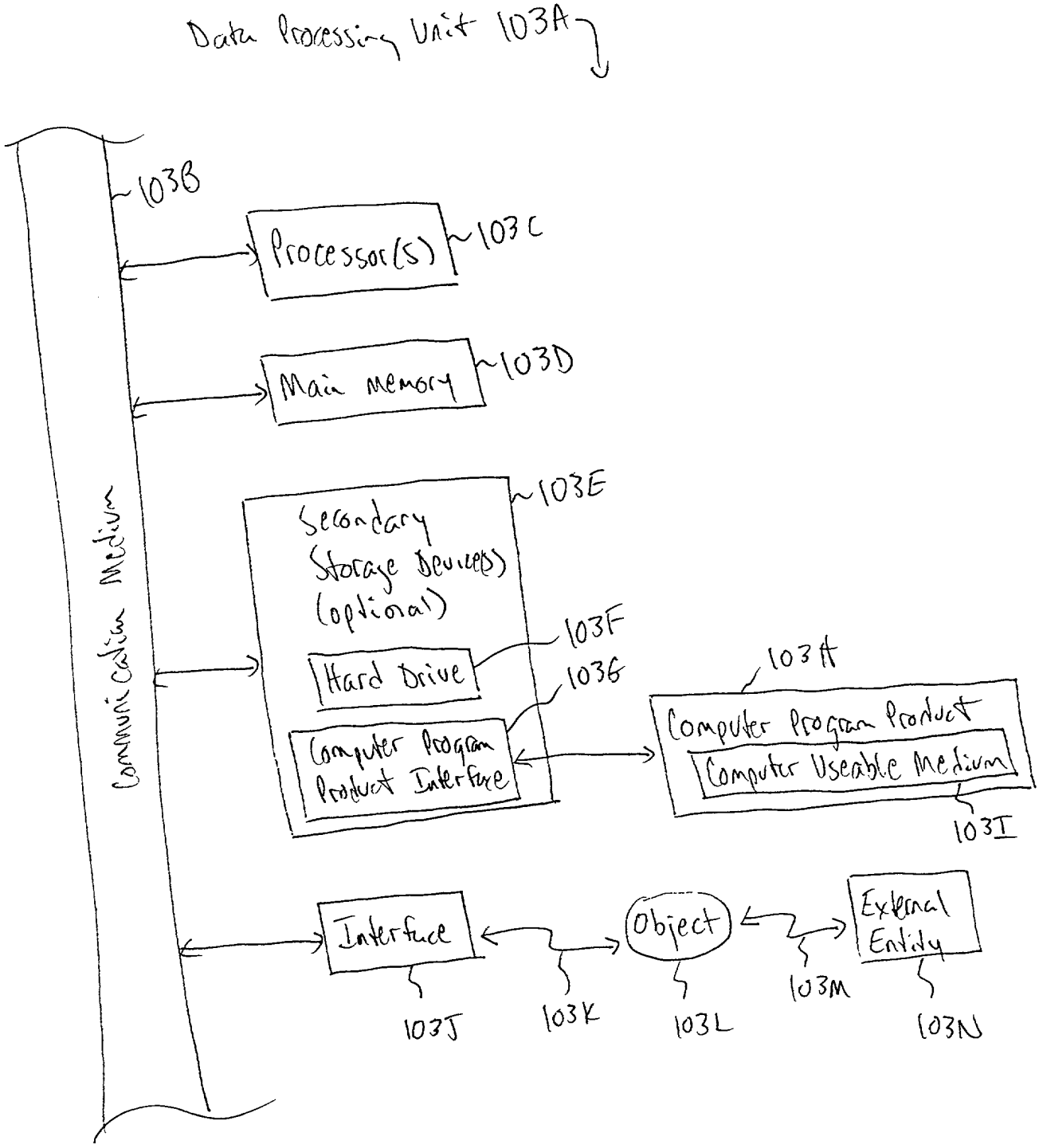

Data Processing Unit 103A
103B
Communication Medium
Processor(s)
103C
Main memory
103D
Secondary Storage Devices (optional)
103E
Hard Drive
103F
Computer Program Product Interface
103G
Computer Program Product
Computer Useable Medium
103H
103I
Interface
Object
External Entity
103J
103K
103L
103M
103N

FIG. 1B1

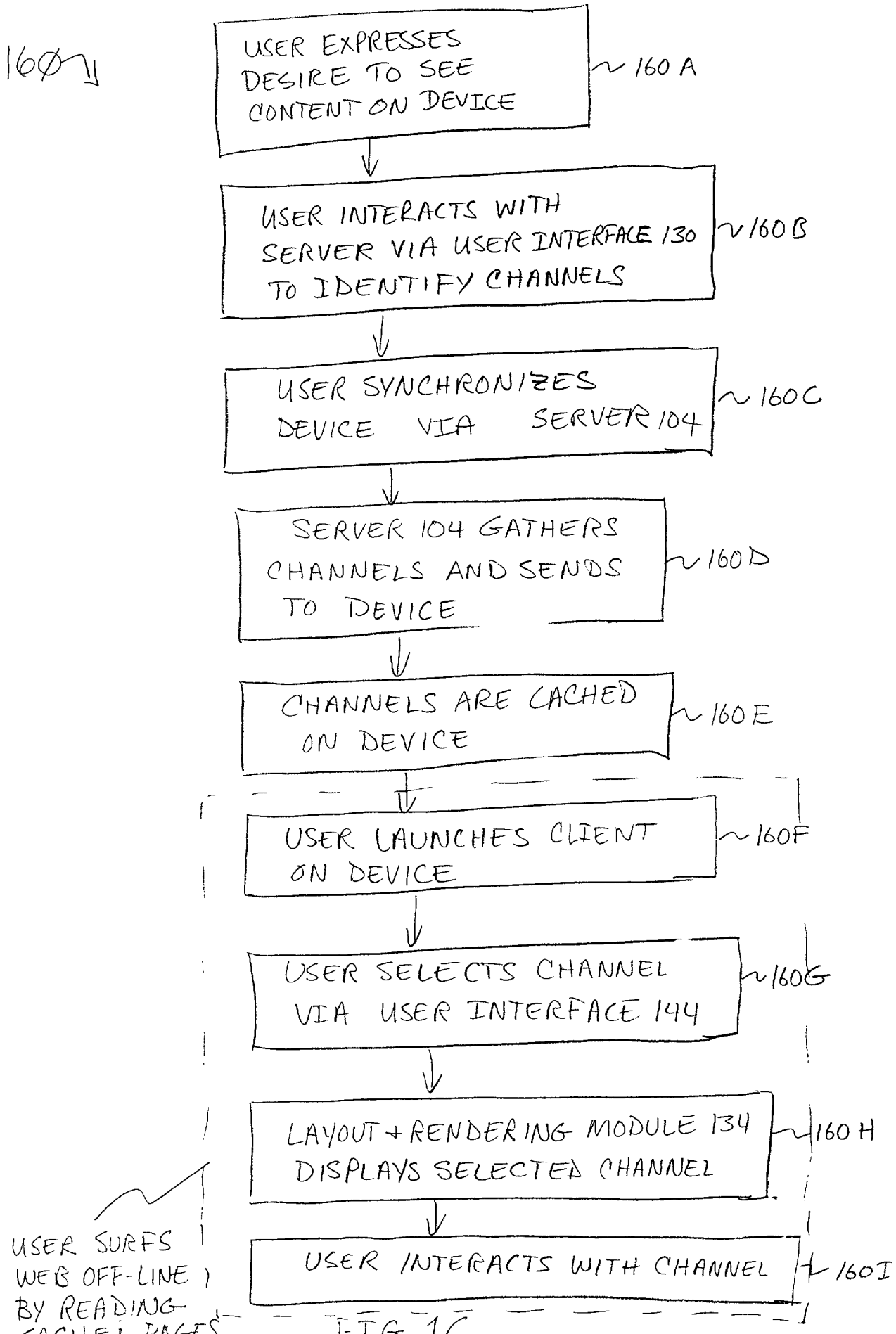

160
USER EXPRESSES DESIRE TO SEE CONTENT ON DEVICE
160A
USER INTERACTS WITH SERVER VIA USER INTERFACE 130 TO IDENTIFY CHANNELS
160B
USER SYNCHRONIZES DEVICE VIA SERVER 104
160C
SERVER 104 GATHERS CHANNELS AND SENDS TO DEVICE
160D
CHANNELS ARE CACHED ON DEVICE
160E
USER LAUNCHES CLIENT ON DEVICE
160F
USER SELECTS CHANNEL VIA USER INTERFACE 144
160G
LAYOUT + RENDERING MODULE 134 DISPLAYS SELECTED CHANNEL
160H
USER INTERACTS WITH CHANNEL
160I
USER SURFS WEB OFF-LINE BY READING CACHED PAGES

FIG 1C

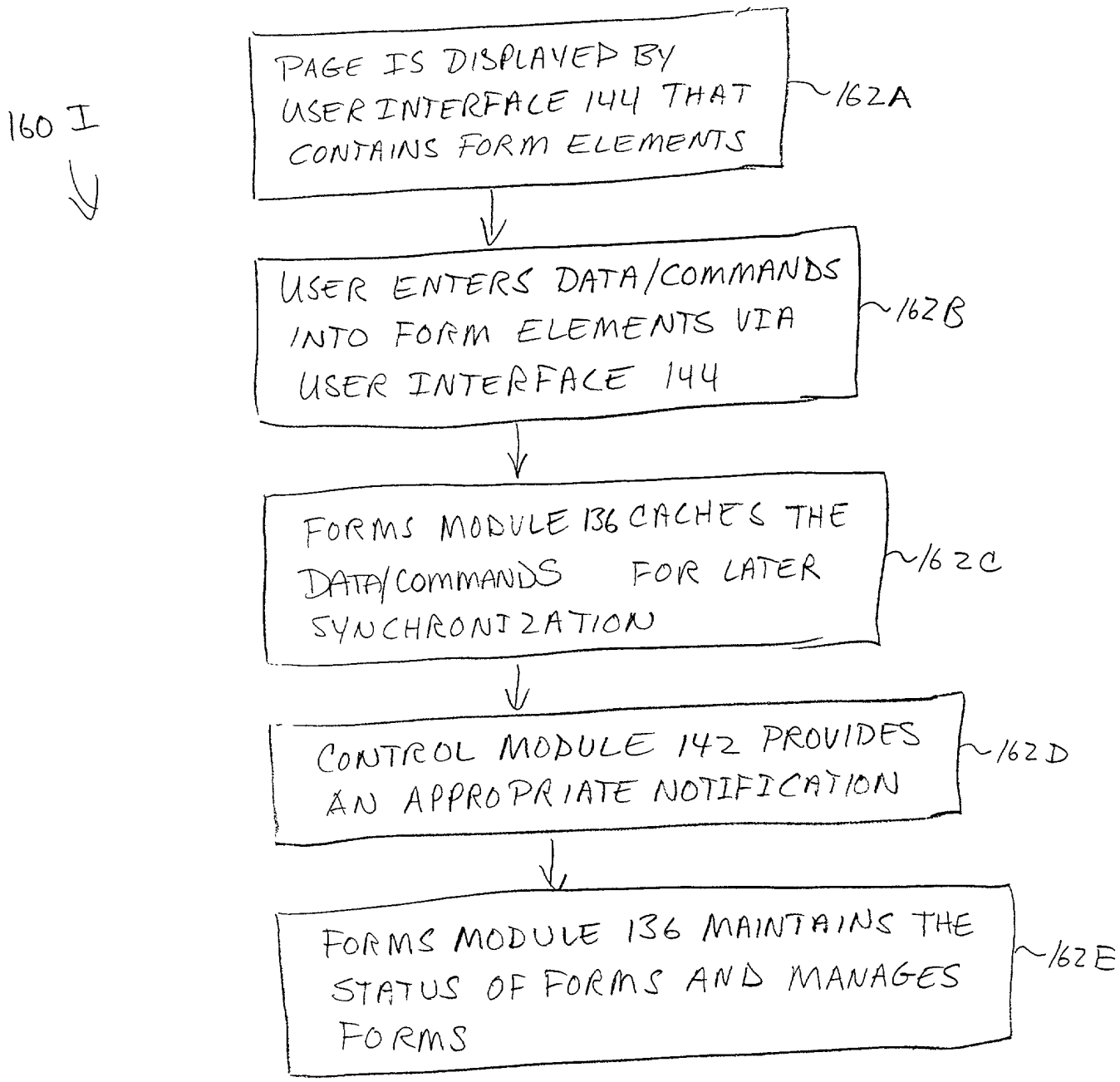

160 I
PAGE IS DISPLAYED BY USER INTERFACE 144 THAT CONTAINS FORM ELEMENTS
162A
USER ENTERS DATA/COMMANDS INTO FORM ELEMENTS VIA USER INTERFACE 144
162B
FORMS MODULE 136 CACHES THE DATA/COMMANDS FOR LATER SYNCHRONIZATION
162C
CONTROL MODULE 142 PROVIDES AN APPROPRIATE NOTIFICATION
162D
FORMS MODULE 136 MAINTAINS THE STATUS OF FORMS AND MANAGES FORMS
162E

FIG. 1D

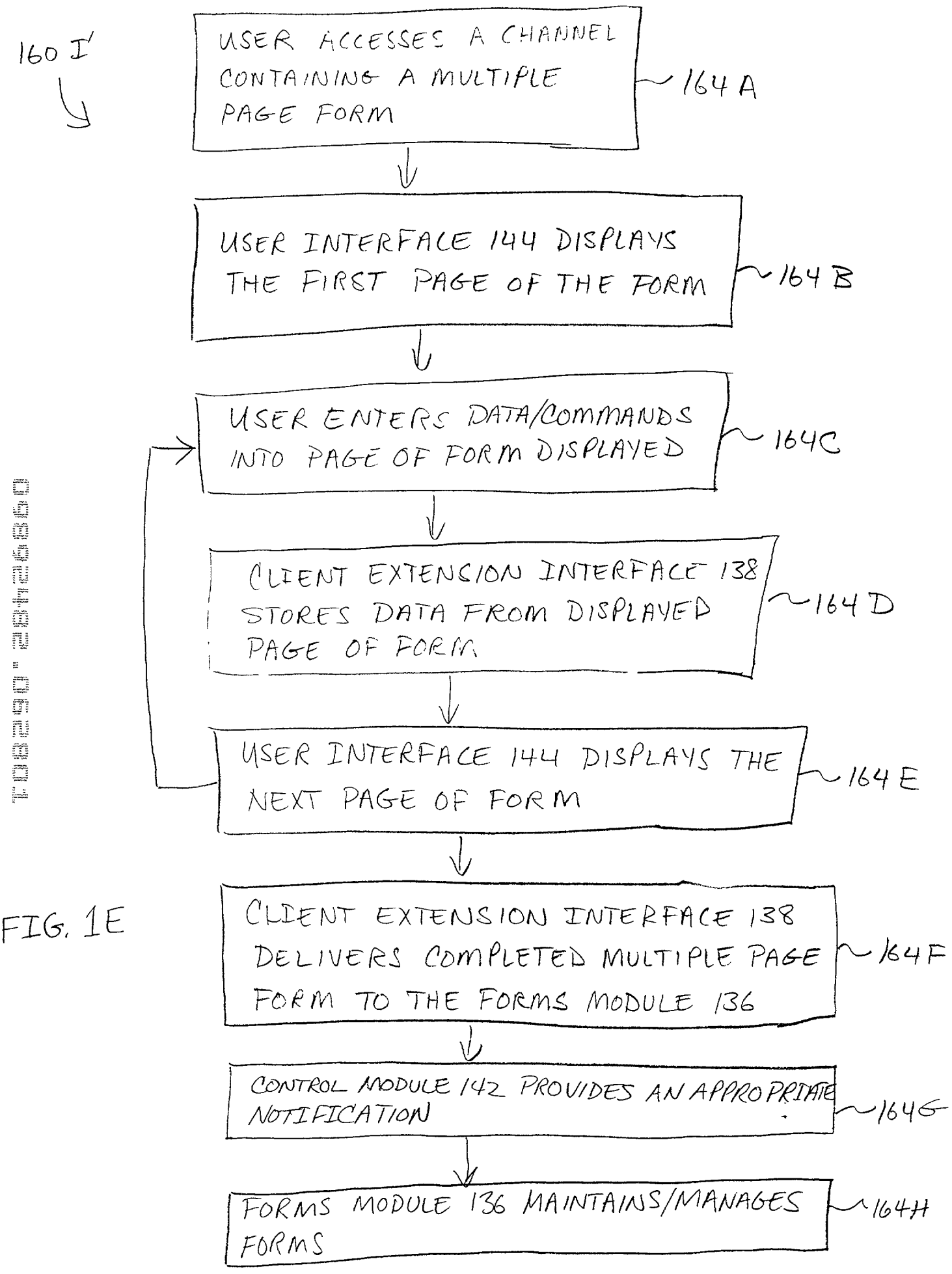

160 I'
USER ACCESSES A CHANNEL CONTAINING A MULTIPLE PAGE FORM
164 A
USER INTERFACE 144 DISPLAYS THE FIRST PAGE OF THE FORM
164 B
USER ENTERS DATA/COMMANDS INTO PAGE OF FORM DISPLAYED
164C
CLIENT EXTENSION INTERFACE 138 STORES DATA FROM DISPLAYED PAGE OF FORM
164 D
USER INTERFACE 144 DISPLAYS THE NEXT PAGE OF FORM
164 E
CLIENT EXTENSION INTERFACE 138 DELIVERS COMPLETED MULTIPLE PAGE FORM TO THE FORMS MODULE 136
164F
CONTROL MODULE 142 PROVIDES AN APPROPRIATE NOTIFICATION
164G
FORMS MODULE 136 MAINTAINS/MANAGES FORMS
164H

FIG. 1E

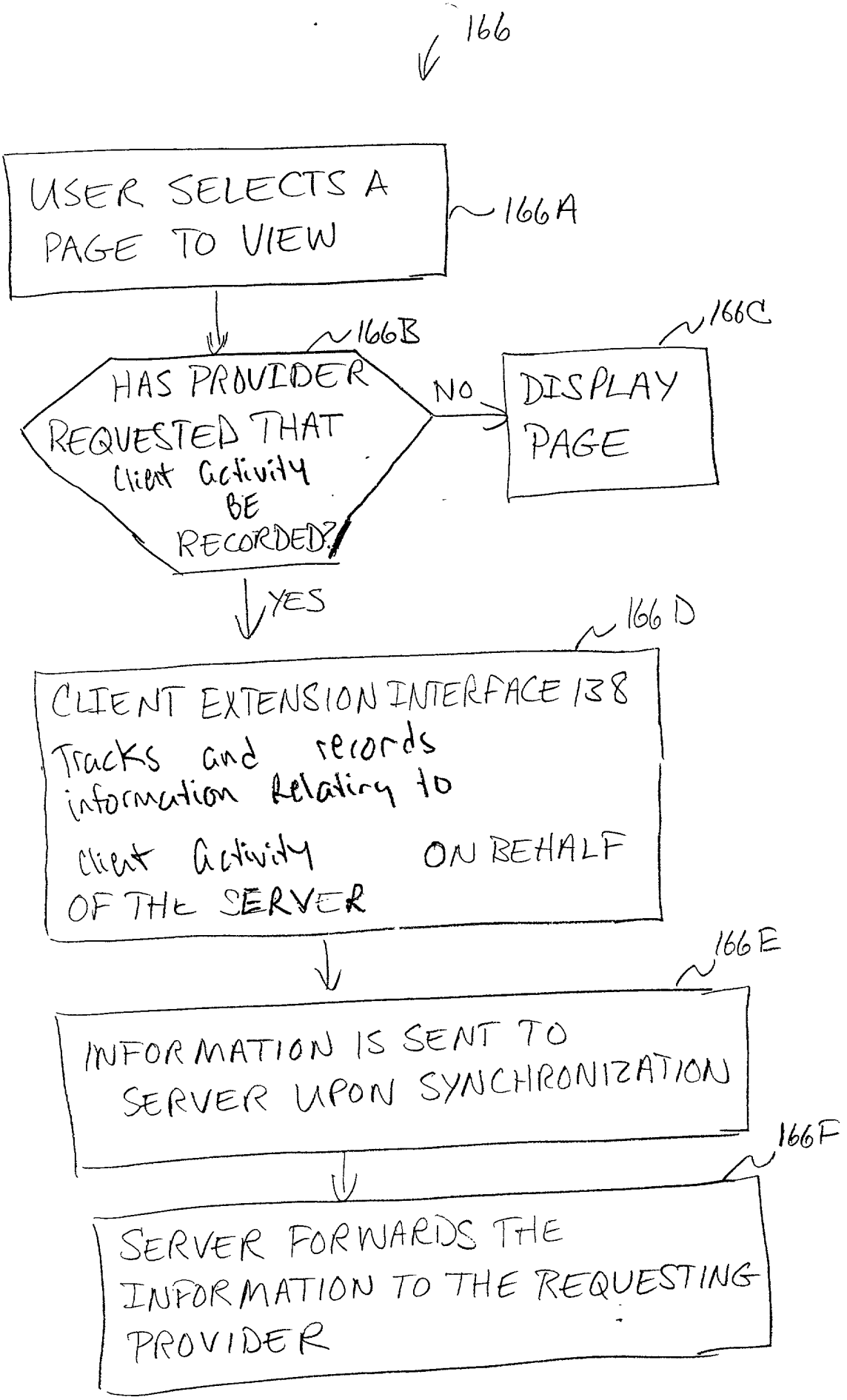

166
USER SELECTS A PAGE TO VIEW
166A
HAS PROVIDER REQUESTED THAT Client Activity BE RECORDED?
166B
NO
DISPLAY PAGE
166C
YES
CLIENT EXTENSION INTERFACE 138 Tracks and records information Relating to Client Activity ON BEHALF OF THE SERVER
166D
INFORMATION IS SENT TO SERVER UPON SYNCHRONIZATION
166E
SERVER FORWARDS THE INFORMATION TO THE REQUESTING PROVIDER
166F

FIG. 1F1

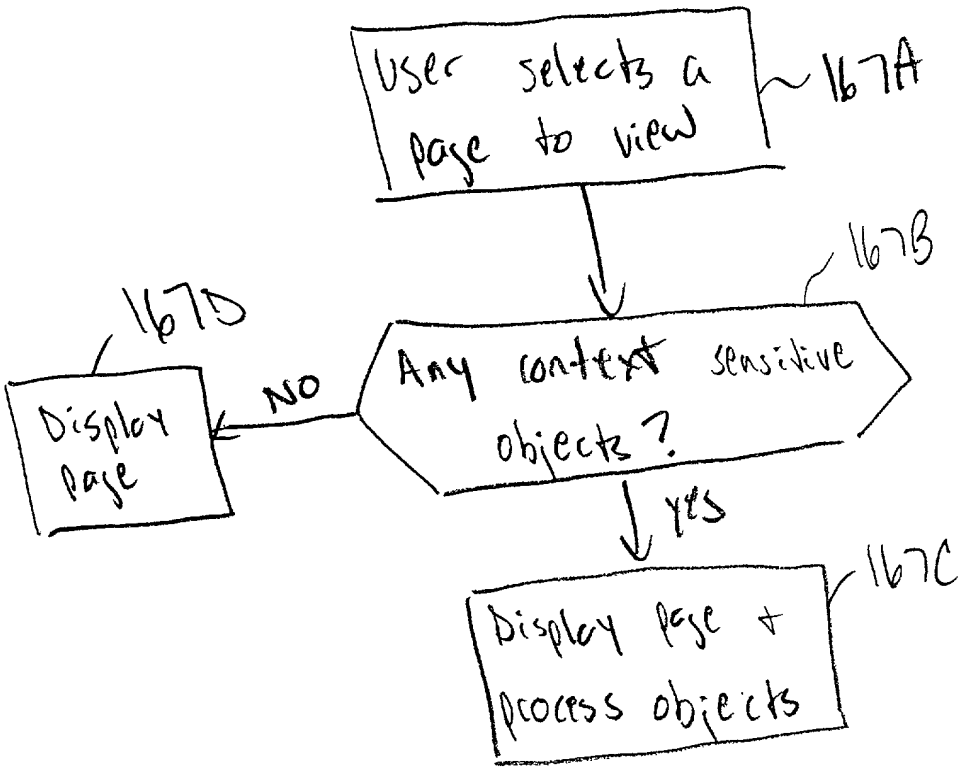

User selects a page to view
167A
167B
Any context sensitive objects?
NO
yes
167D
Display page
167C
Display page + process objects

FIG. 1F2

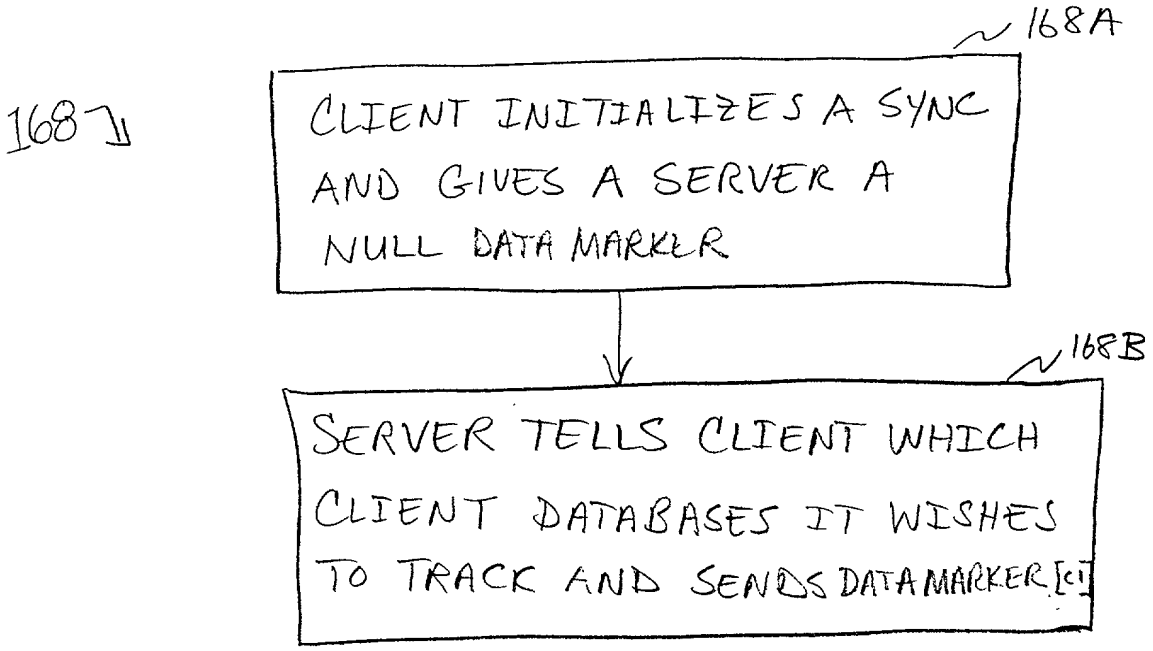

168
168A
CLIENT INITIALIZES A SYNC AND GIVES A SERVER A NULL DATA MARKER
168B
SERVER TELLS CLIENT WHICH CLIENT DATABASES IT WISHES TO TRACK AND SENDS DATA MARKER [C]

FIG. 1G

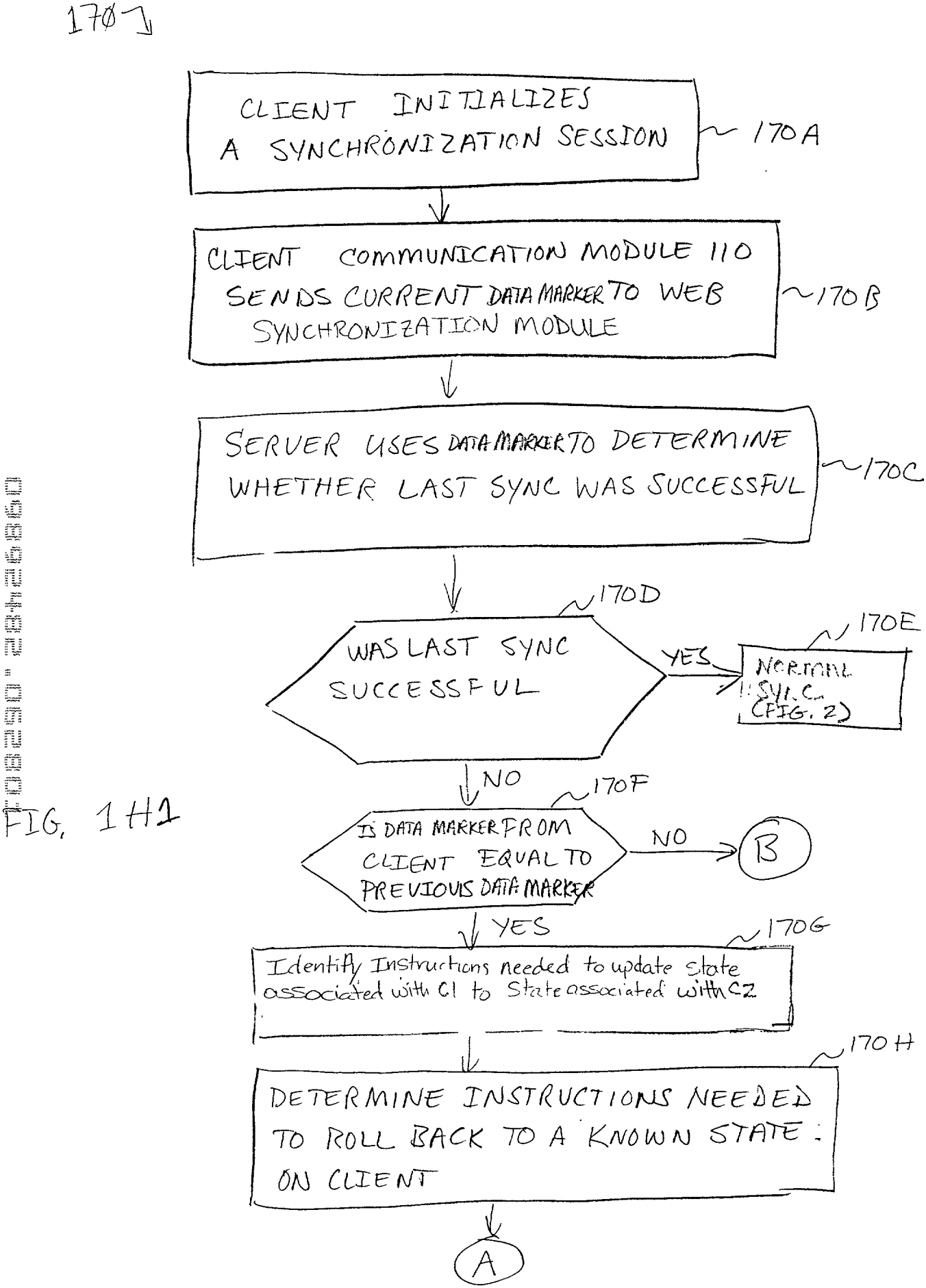

170
CLIENT INITIALIZES A SYNCHRONIZATION SESSION
170A
CLIENT COMMUNICATION MODULE 110 SENDS CURRENT DATA MARKER TO WEB SYNCHRONIZATION MODULE
170B
SERVER USES DATA MARKER TO DETERMINE WHETHER LAST SYNC WAS SUCCESSFUL
170C
WAS LAST SYNC SUCCESSFUL
170D
YES
NORMAL SYNC. (FIG. 2)
170E
NO
IS DATA MARKER FROM CLIENT EQUAL TO PREVIOUS DATA MARKER
170F
NO
B
YES
Identify Instructions needed to update State associated with C1 to State associated with C2
170G
DETERMINE INSTRUCTIONS NEEDED TO ROLL BACK TO A KNOWN STATE ON CLIENT
170H
A

FIG. 1H1

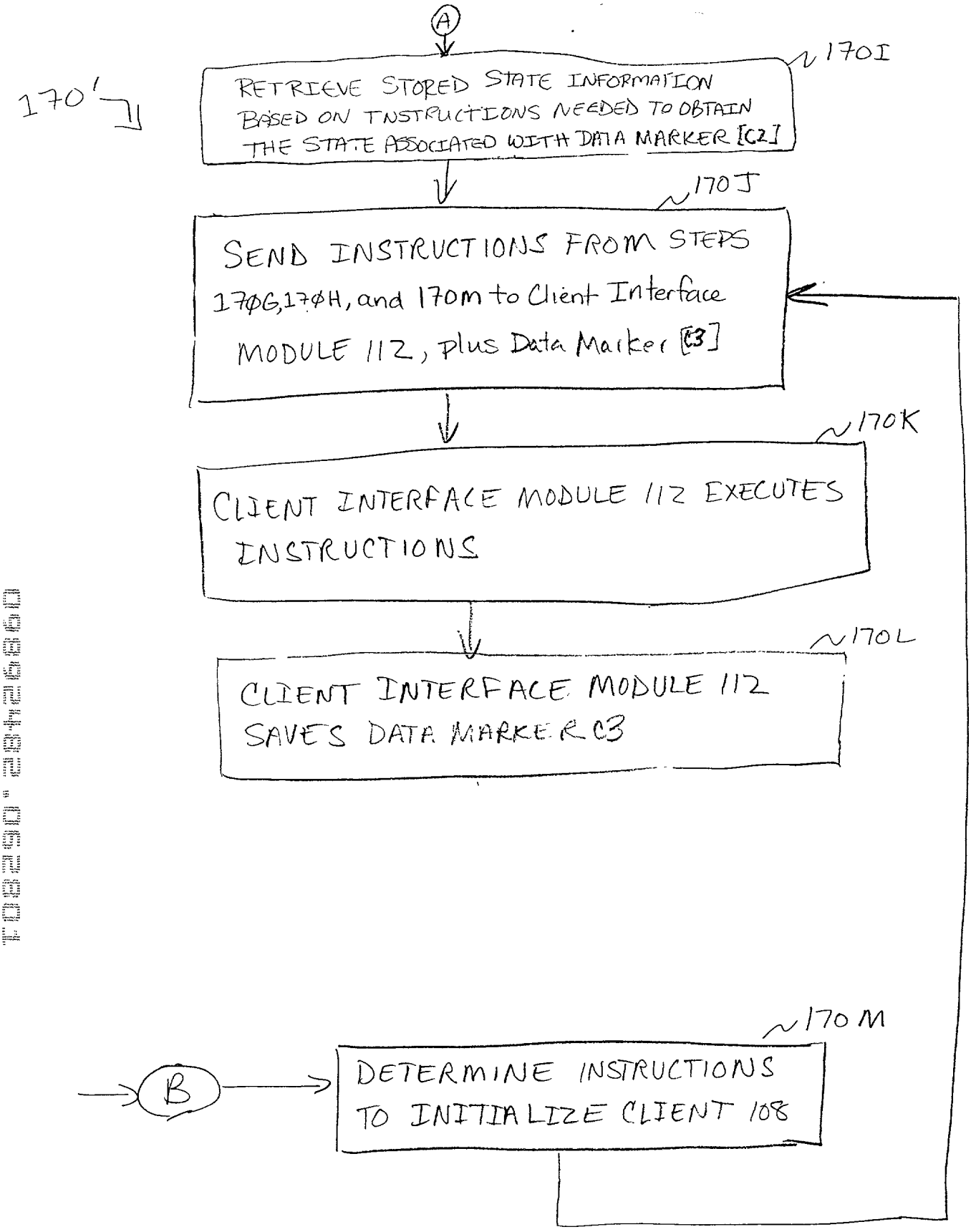

A
170'
RETRIEVE STORED STATE INFORMATION BASED ON INSTRUCTIONS NEEDED TO OBTAIN THE STATE ASSOCIATED WITH DATA MARKER [C2]
170I
SEND INSTRUCTIONS FROM STEPS 170G, 170H, and 170m to Client Interface MODULE 112, plus Data Marker [C3]
170J
CLIENT INTERFACE MODULE 112 EXECUTES INSTRUCTIONS
170K
CLIENT INTERFACE MODULE 112 SAVES DATA MARKER C3
170L
B
DETERMINE INSTRUCTIONS TO INITIALIZE CLIENT 108
170M

FIG. 1H2

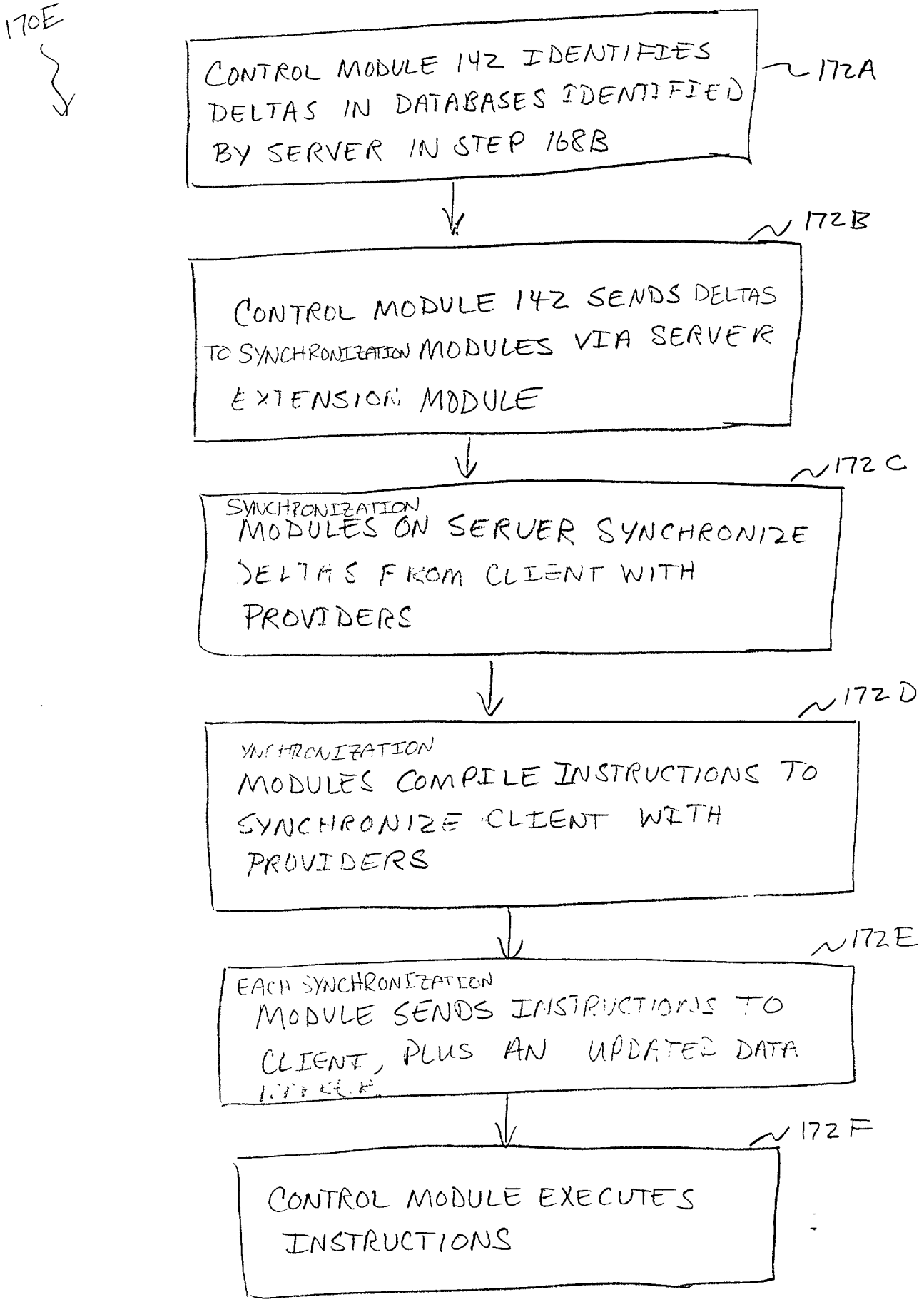

170E
CONTROL MODULE 142 IDENTIFIES DELTAS IN DATABASES IDENTIFIED BY SERVER IN STEP 168B
172A
172B
CONTROL MODULE 142 SENDS DELTAS TO SYNCHRONIZATION MODULES VIA SERVER EXTENSION MODULE
172C
SYNCHRONIZATION MODULES ON SERVER SYNCHRONIZE DELTAS FROM CLIENT WITH PROVIDERS
172D
SYNCHRONIZATION MODULES COMPILE INSTRUCTIONS TO SYNCHRONIZE CLIENT WITH PROVIDERS
172E
EACH SYNCHRONIZATION MODULE SENDS INSTRUCTIONS TO CLIENT, PLUS AN UPDATED DATA
172F
CONTROL MODULE EXECUTES INSTRUCTIONS

FIG. 1I1

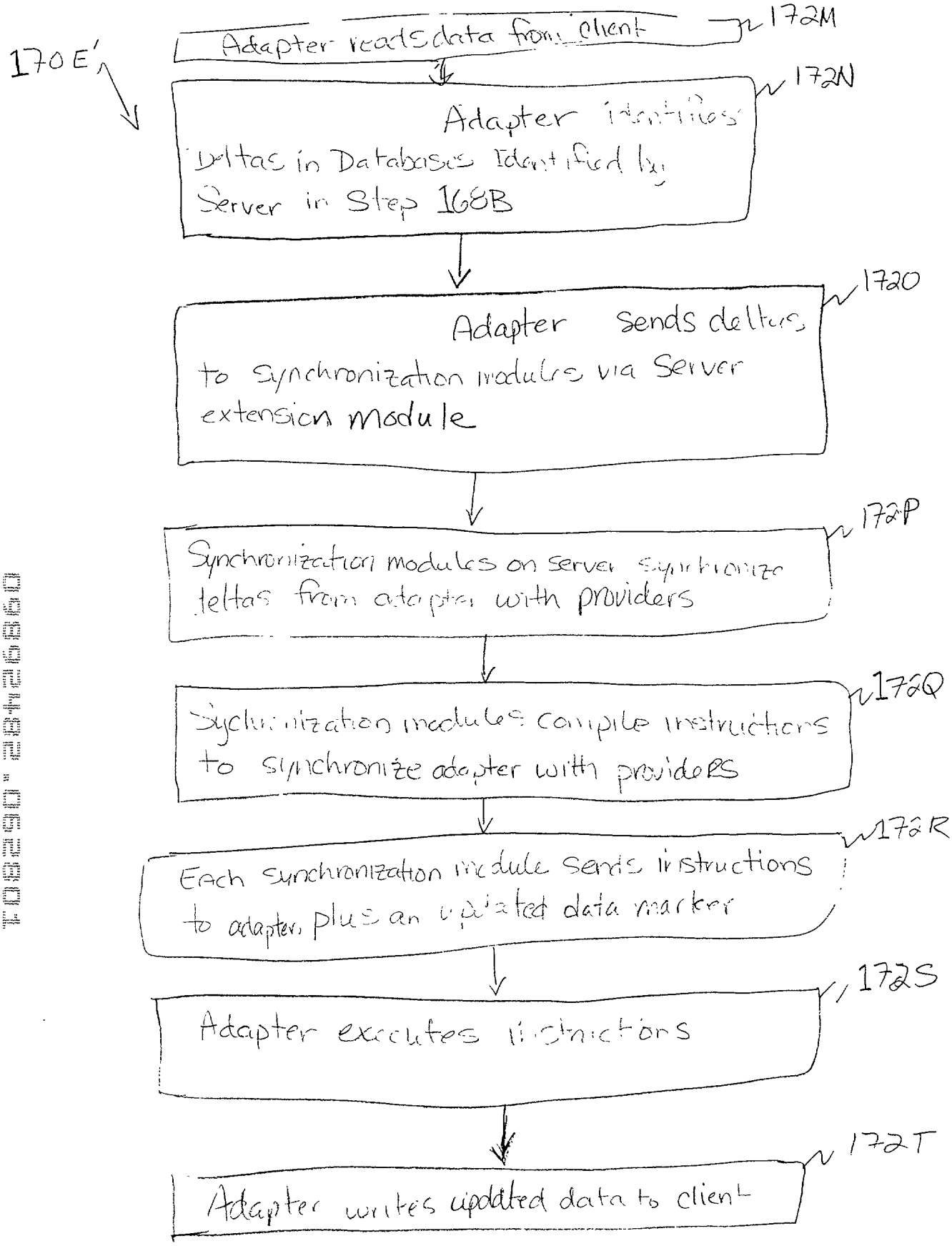

170E'
Adapter reads data from client
172M
Adapter identifies Deltas in Databases Identified by Server in Step 168B
172N
Adapter sends deltas to synchronization modules via Server extension module
172O
Synchronization modules on server synchronize deltas from adapter with providers
172P
Synchronization modules compile instructions to synchronize adapter with providers
172Q
Each synchronization module sends instructions to adapter, plus an updated data marker
172R
Adapter executes instructions
172S
Adapter writes updated data to client
172T

FIG. 1I2

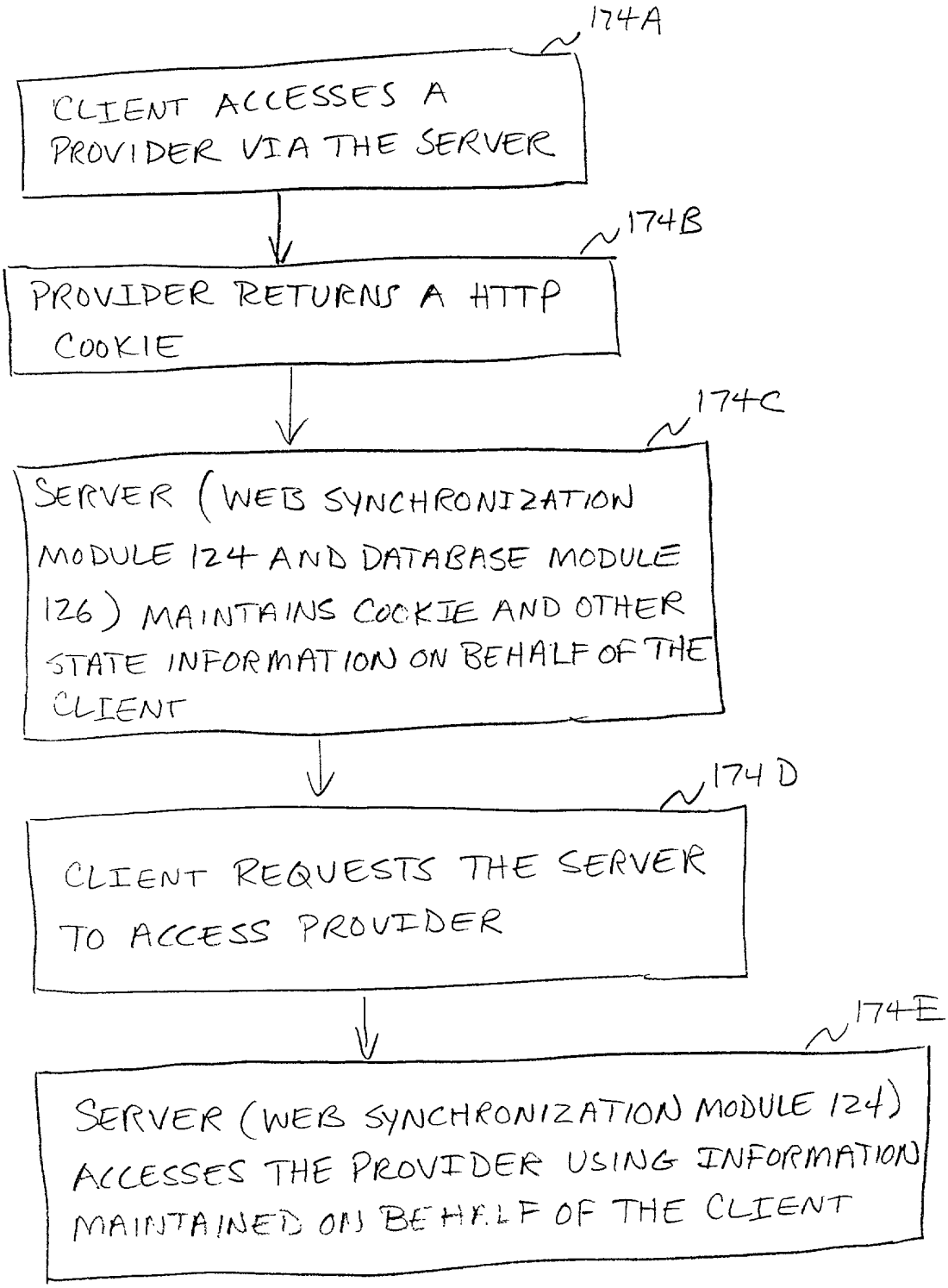

174A
CLIENT ACCESSES A PROVIDER VIA THE SERVER
174B
PROVIDER RETURNS A HTTP COOKIE
174C
SERVER (WEB SYNCHRONIZATION MODULE 124 AND DATABASE MODULE 126) MAINTAINS COOKIE AND OTHER STATE INFORMATION ON BEHALF OF THE CLIENT
174D
CLIENT REQUESTS THE SERVER TO ACCESS PROVIDER
174E
SERVER (WEB SYNCHRONIZATION MODULE 124) ACCESSES THE PROVIDER USING INFORMATION MAINTAINED ON BEHALF OF THE CLIENT

FIG. 1J

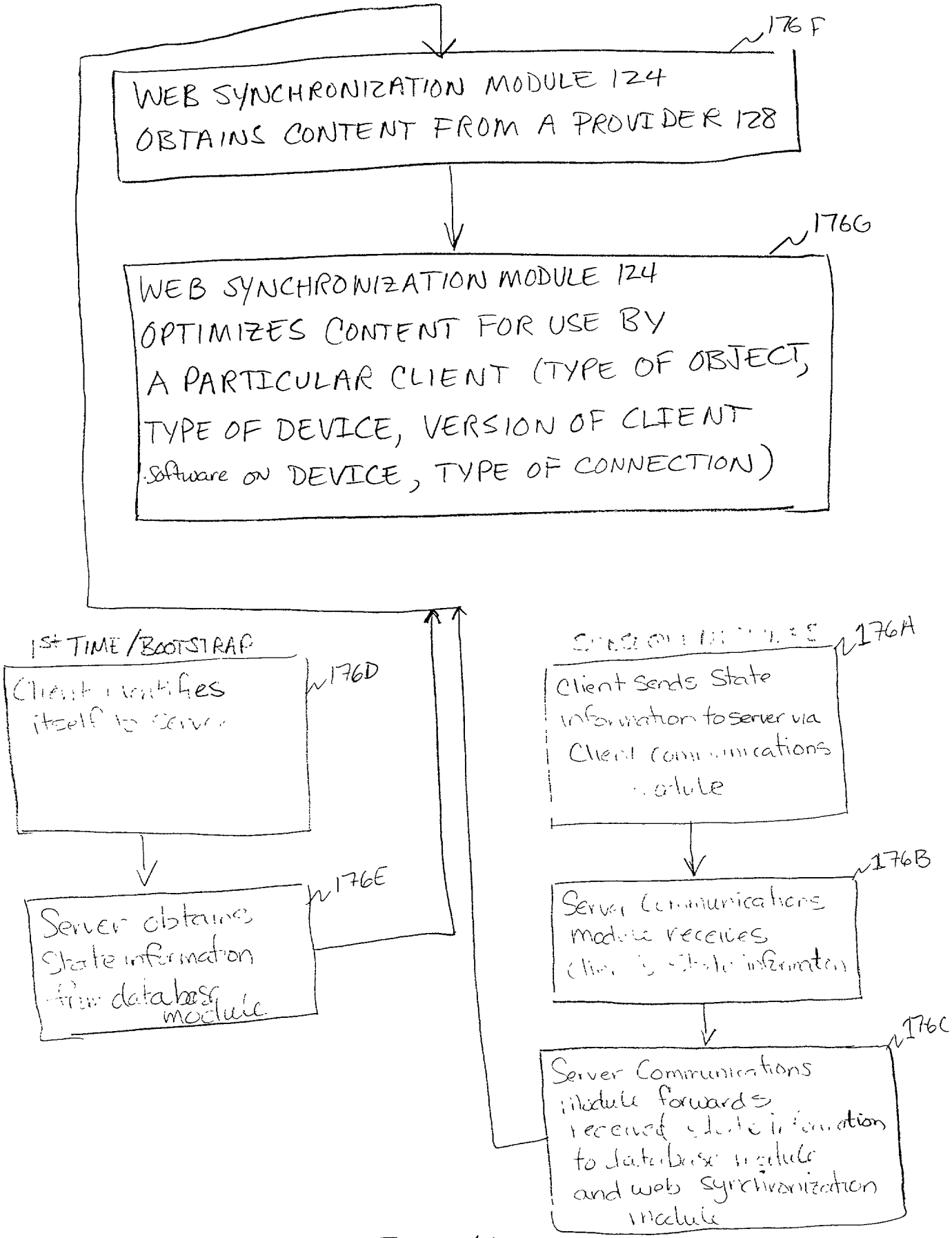

176F
WEB SYNCHRONIZATION MODULE 124 OBTAINS CONTENT FROM A PROVIDER 128
176G
WEB SYNCHRONIZATION MODULE 124 OPTIMIZES CONTENT FOR USE BY A PARTICULAR CLIENT (TYPE OF OBJECT, TYPE OF DEVICE, VERSION OF CLIENT Software ON DEVICE, TYPE OF CONNECTION)
1ST TIME/BOOTSTRAP
176D
176A
Client Sends State information to server via Client Communications module
176B
Server Communications module receives
176E
Server obtains State information from database module
176C
Server Communications module forwards received state information to database module and web synchronization module

FIG. 1K

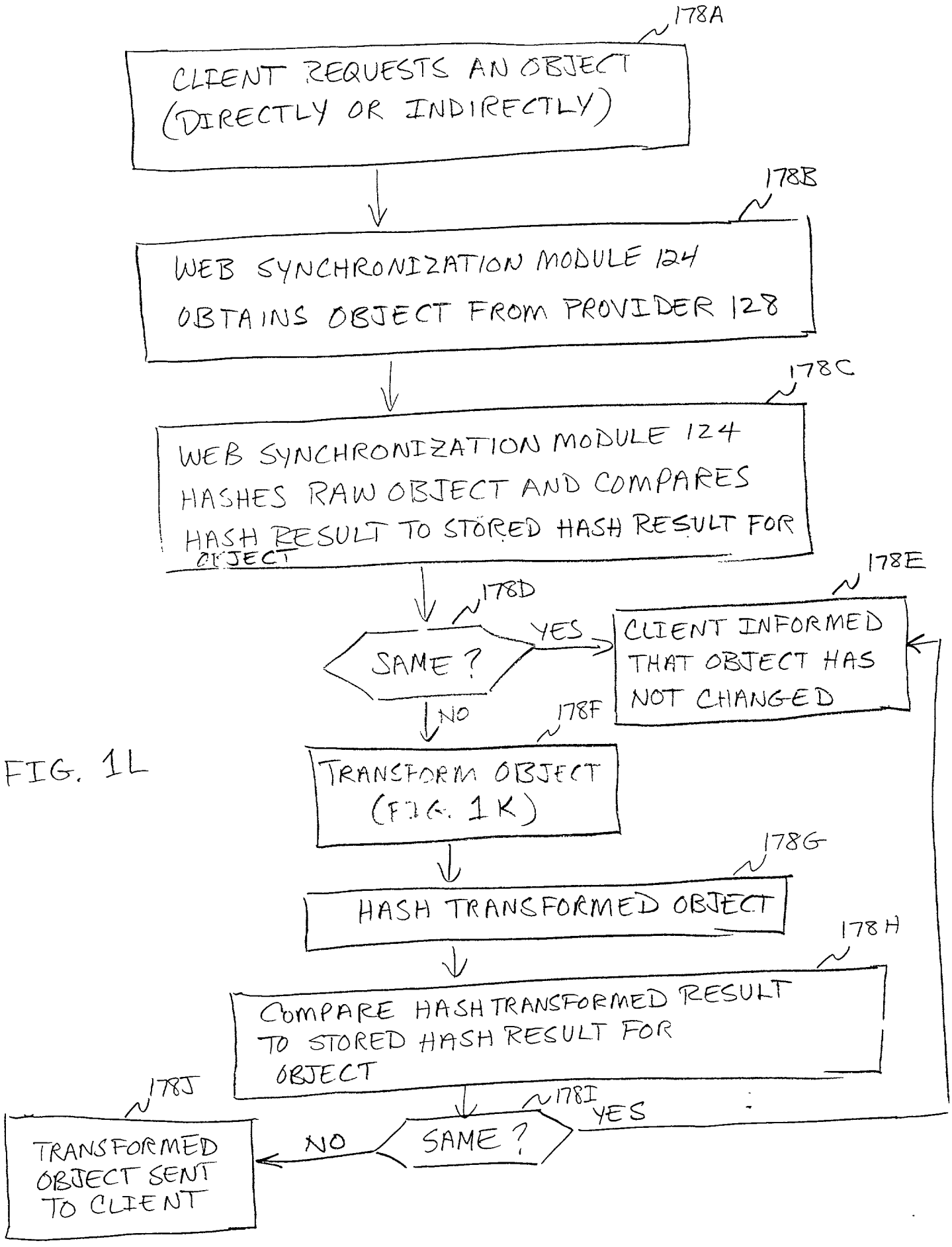
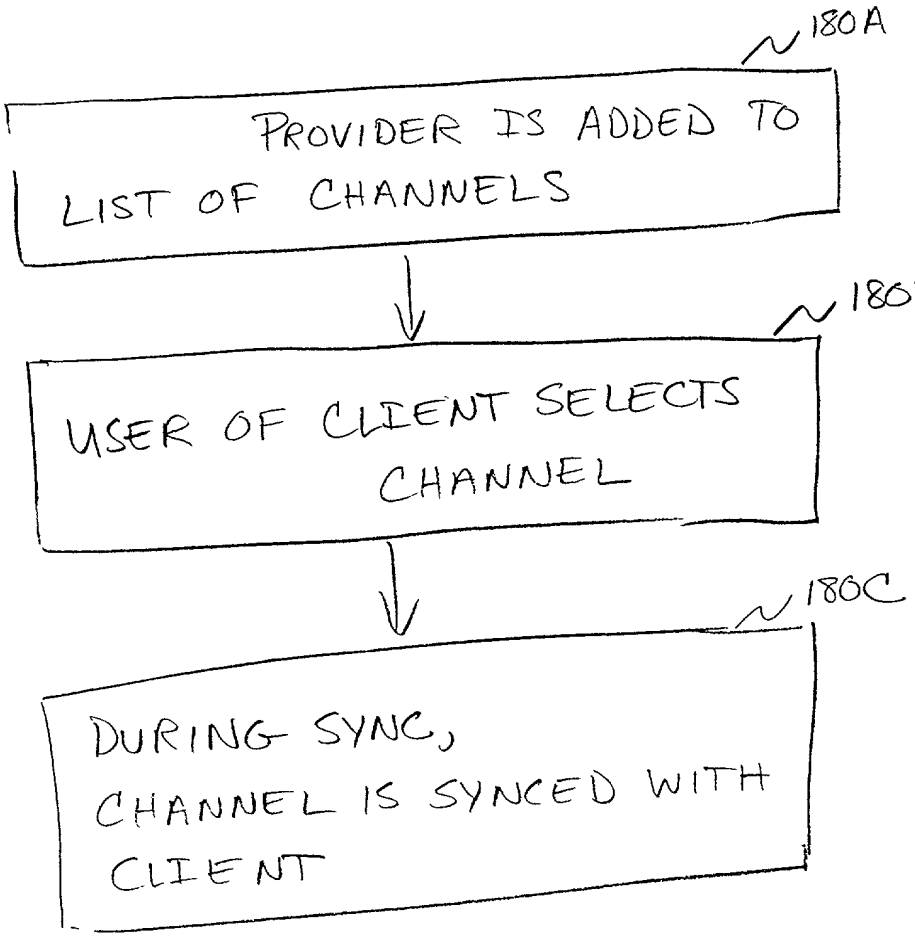

178A
CLIENT REQUESTS AN OBJECT (DIRECTLY OR INDIRECTLY)
178B
WEB SYNCHRONIZATION MODULE 124 OBTAINS OBJECT FROM PROVIDER 128
178C
WEB SYNCHRONIZATION MODULE 124 HASHES RAW OBJECT AND COMPARES HASH RESULT TO STORED HASH RESULT FOR OBJECT
178D
SAME ?
YES
178E
CLIENT INFORMED THAT OBJECT HAS NOT CHANGED
NO
178F
TRANSFORM OBJECT (FIG. 1K)
178G
HASH TRANSFORMED OBJECT
178H
COMPARE HASH TRANSFORMED RESULT TO STORED HASH RESULT FOR OBJECT
178I
SAME ?
YES
NO
178J
TRANSFORMED OBJECT SENT TO CLIENT

FIG. 1L



- MUSIC
- PHOTO ALBUMS
- BOOKS
- MOVIES
- ETC.

FIG. 1M

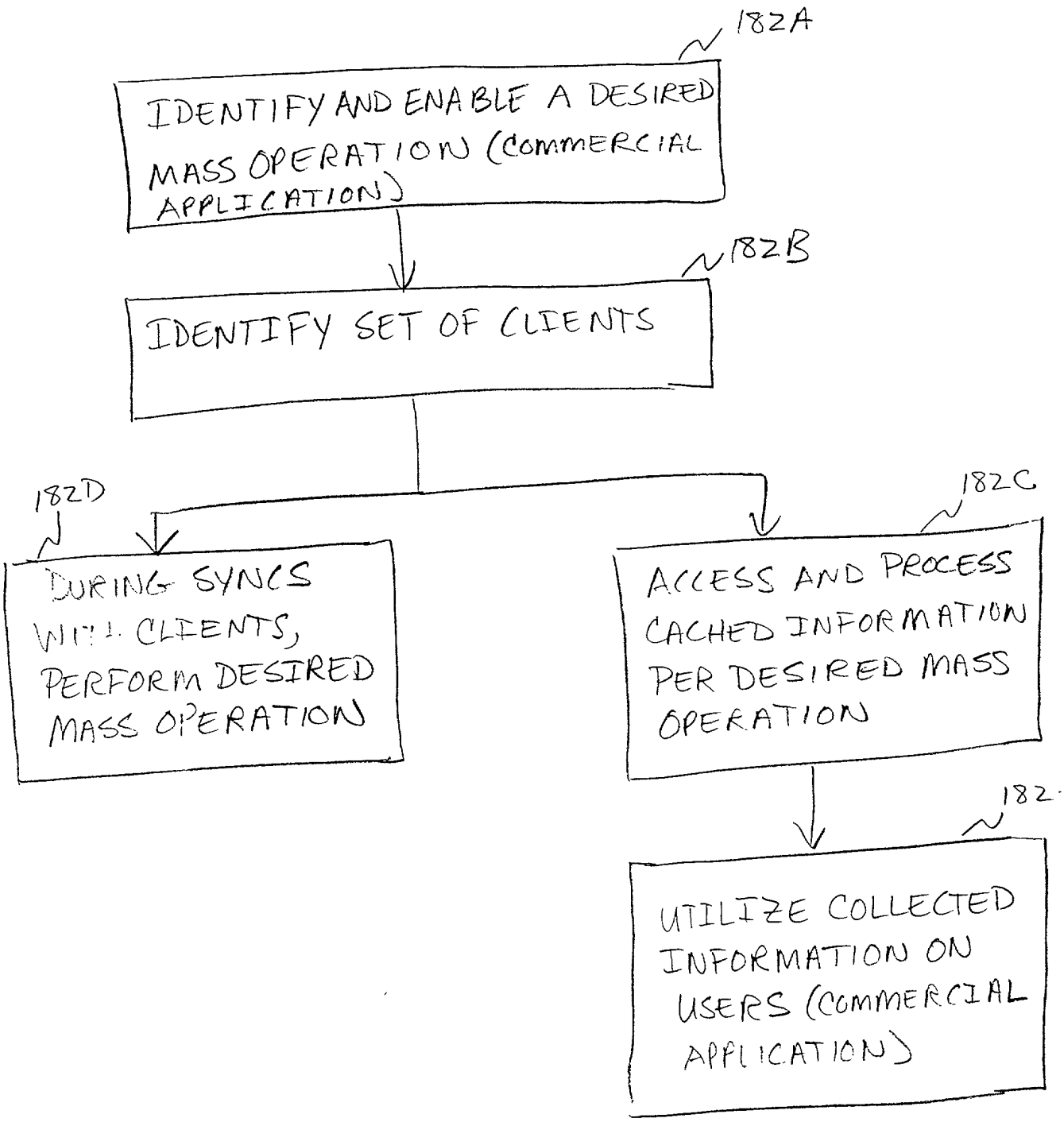

182A
IDENTIFY AND ENABLE A DESIRED MASS OPERATION (COMMERCIAL APPLICATION)
182B
IDENTIFY SET OF CLIENTS
182D
DURING SYNCS WITH CLIENTS, PERFORM DESIRED MASS OPERATION
182C
ACCESS AND PROCESS CACHED INFORMATION PER DESIRED MASS OPERATION
182
UTILIZE COLLECTED INFORMATION ON USERS (COMMERCIAL APPLICATION)

FIG. 1N

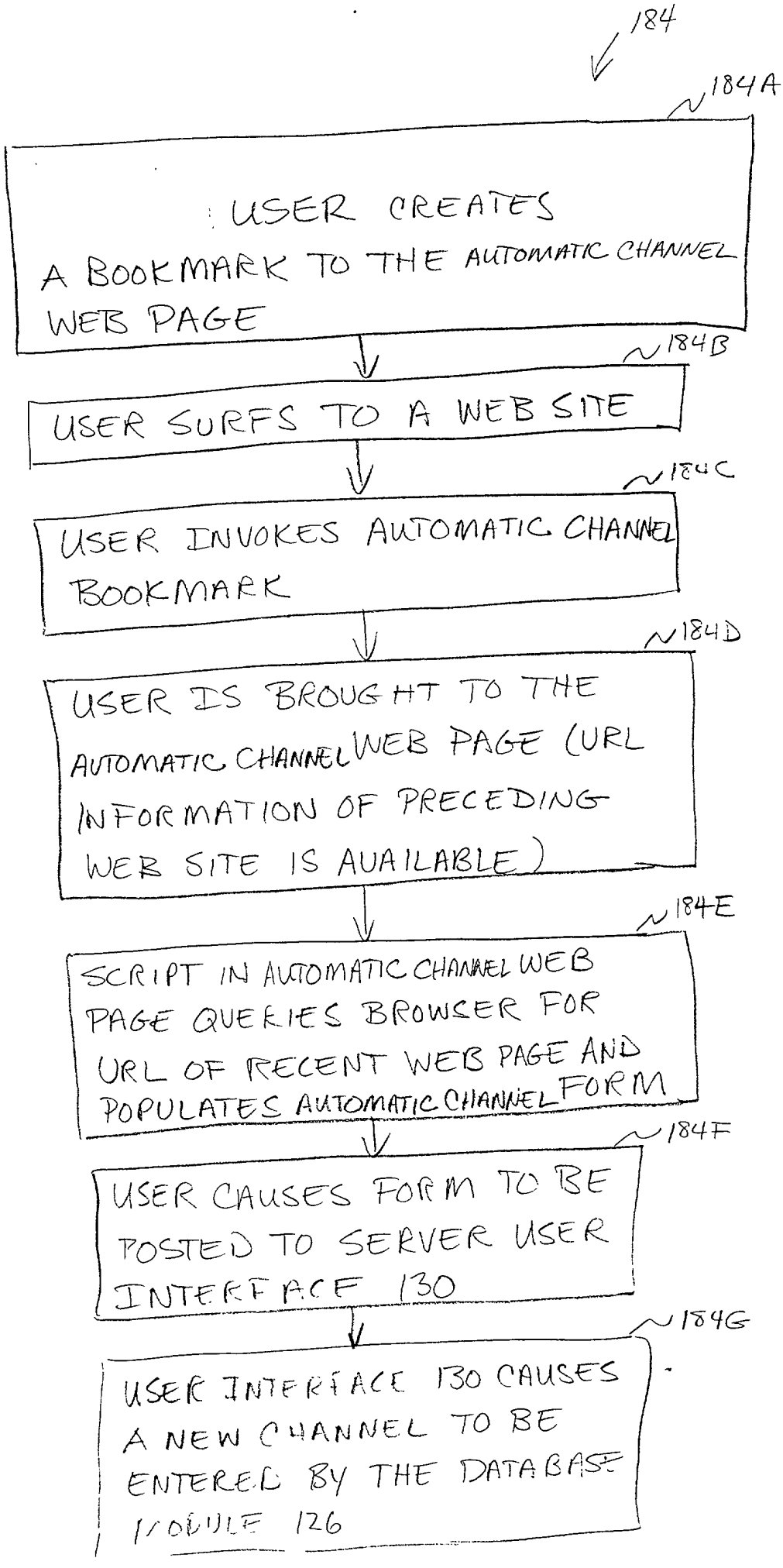

184
184A
USER CREATES A BOOKMARK TO THE AUTOMATIC CHANNEL WEB PAGE
184B
USER SURFS TO A WEB SITE
184C
USER INVOKES AUTOMATIC CHANNEL BOOKMARK
184D
USER IS BROUGHT TO THE AUTOMATIC CHANNEL WEB PAGE (URL INFORMATION OF PRECEDING WEB SITE IS AUAILABLE)
184E
SCRIPT IN AUTOMATIC CHANNEL WEB PAGE QUERIES BROWSER FOR URL OF RECENT WEB PAGE AND POPULATES AUTOMATIC CHANNEL FORM
184F
USER CAUSES FORM TO BE POSTED TO SERVER USER INTERFACE 130
184G
USER INTERFACE 130 CAUSES A NEW CHANNEL TO BE ENTERED BY THE DATABASE MODULE 126

FIG. 18

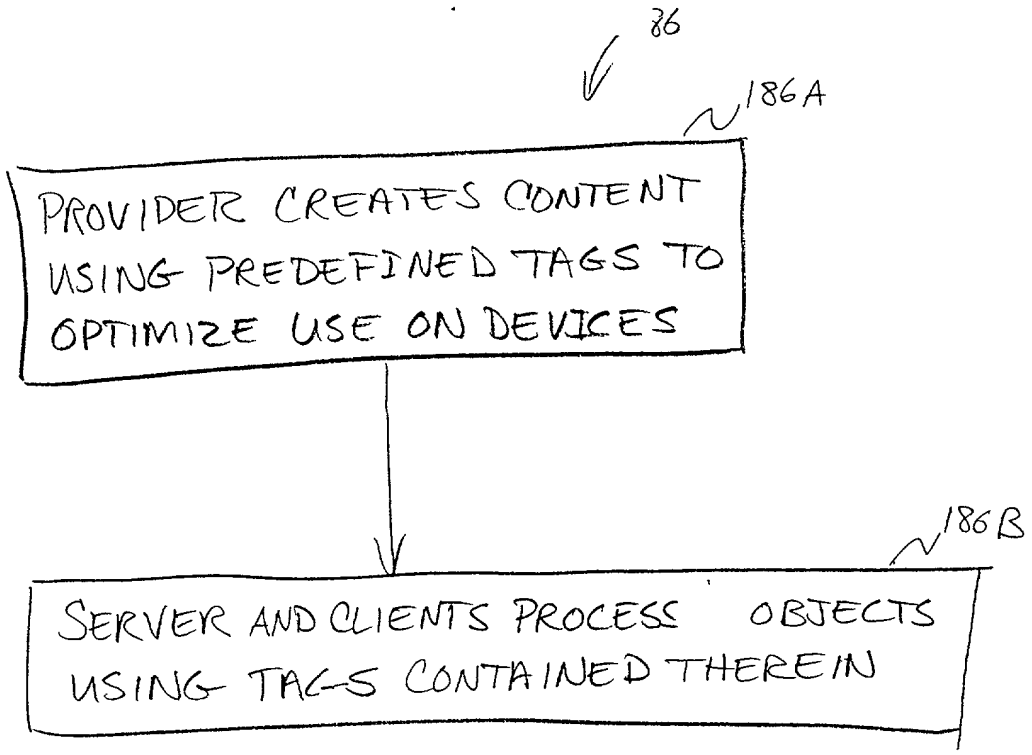

86
186A
PROVIDER CREATES CONTENT USING PREDEFINED TAGS TO OPTIMIZE USE ON DEVICES
186B
SERVER AND CLIENTS PROCESS OBJECTS USING TAGS CONTAINED THEREIN

FIG. 1P

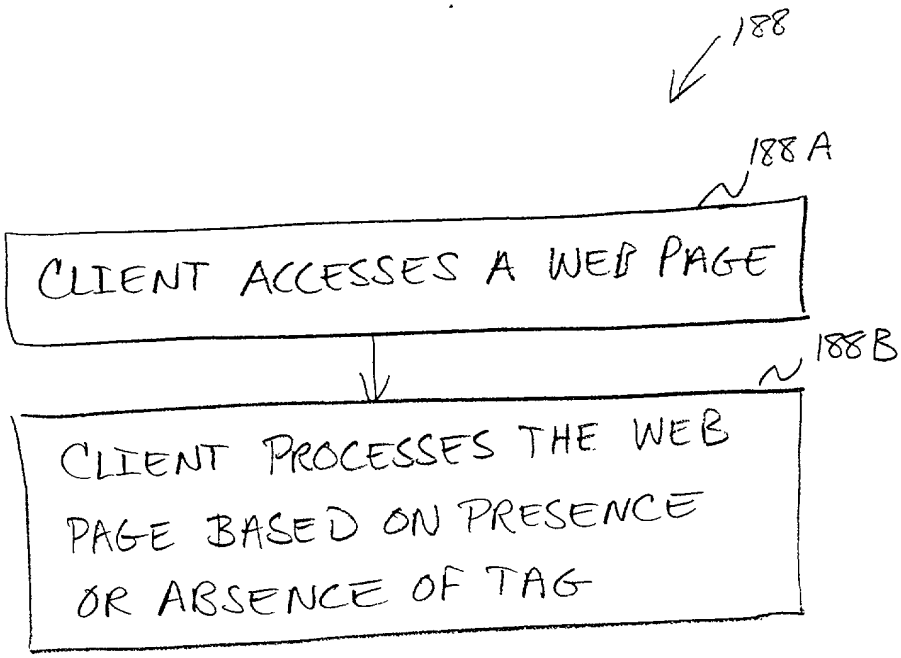

188
188A
CLIENT ACCESSES A WEB PAGE
188B
CLIENT PROCESSES THE WEB PAGE BASED ON PRESENCE OR ABSENCE OF TAG

FIG. 1Q

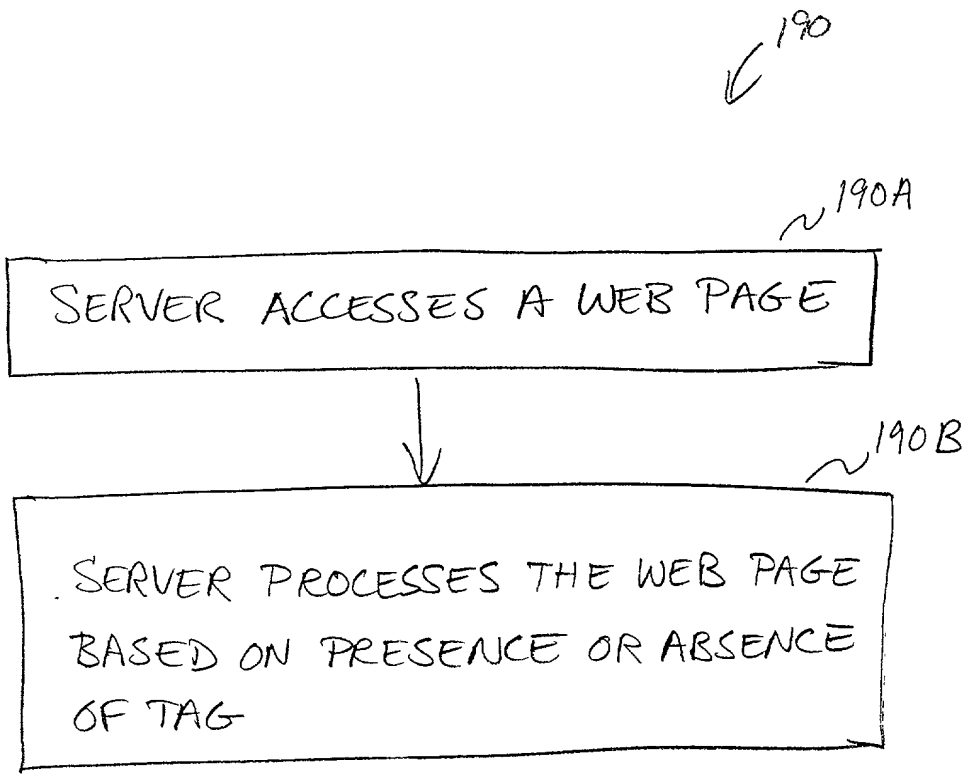

190
190A
SERVER ACCESSES A WEB PAGE
190B
SERVER PROCESSES THE WEB PAGE BASED ON PRESENCE OR ABSENCE OF TAG

FIG. 1R

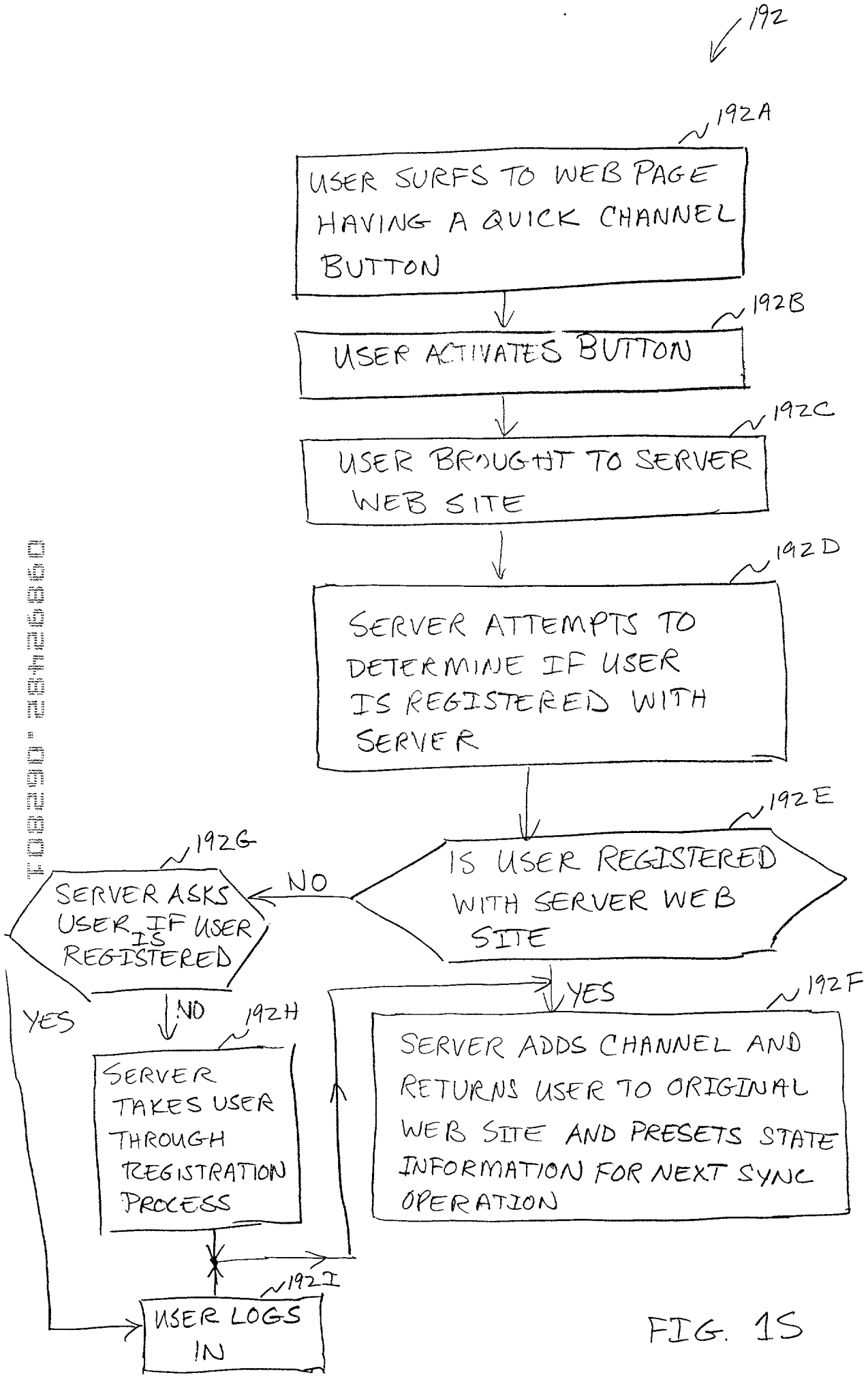

192
192A
USER SURFS TO WEB PAGE HAVING A QUICK CHANNEL BUTTON
192B
USER ACTIVATES BUTTON
192C
USER BROUGHT TO SERVER WEB SITE
192D
SERVER ATTEMPTS TO DETERMINE IF USER IS REGISTERED WITH SERVER
192E
IS USER REGISTERED WITH SERVER WEB SITE
NO
192G
SERVER ASKS USER IF USER IS REGISTERED
YES
NO
192H
SERVER TAKES USER THROUGH REGISTRATION PROCESS
YES
192F
SERVER ADDS CHANNEL AND RETURNS USER TO ORIGINAL WEB SITE AND PRESETS STATE INFORMATION FOR NEXT SYNC OPERATION
192I
USER LOGS IN

FIG. 1S

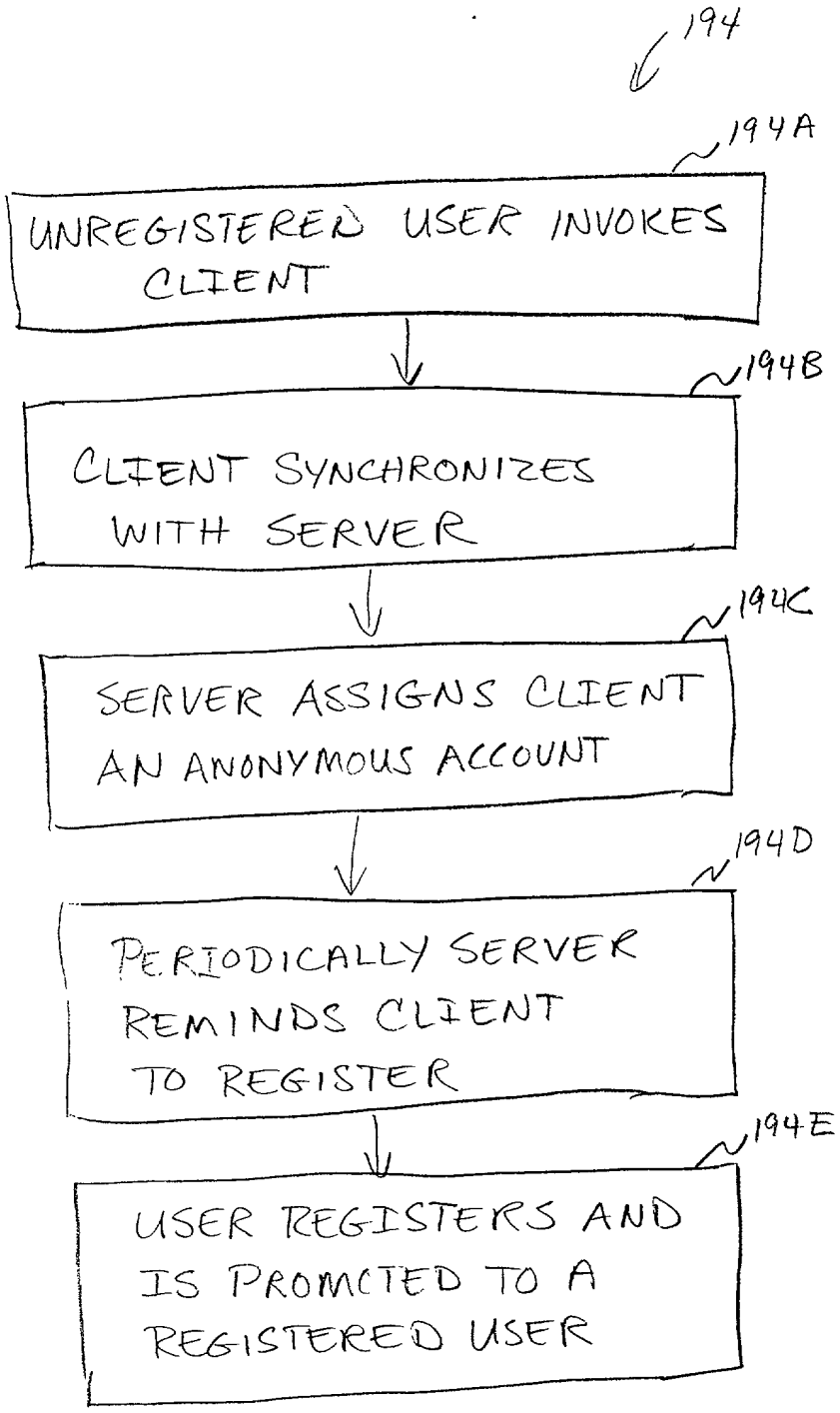

194
194A
UNREGISTERED USER INVOKES CLIENT
194B
CLIENT SYNCHRONIZES WITH SERVER
194C
SERVER ASSIGNS CLIENT AN ANONYMOUS ACCOUNT
194D
PERIODICALLY SERVER REMINDS CLIENT TO REGISTER
194E
USER REGISTERS AND IS PROMOTED TO A REGISTERED USER

FIG. 1T

Core Technology : Placing Internet/
Intranet Content on Mobile Devices

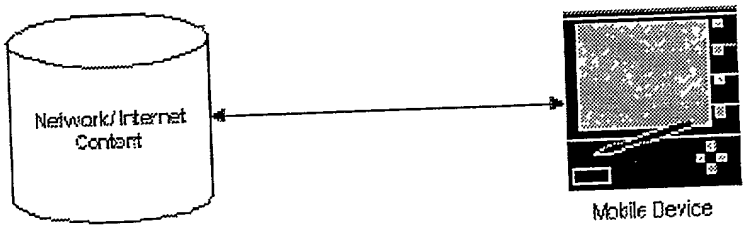


FIG. 1U

Mobile Device/Server Environment

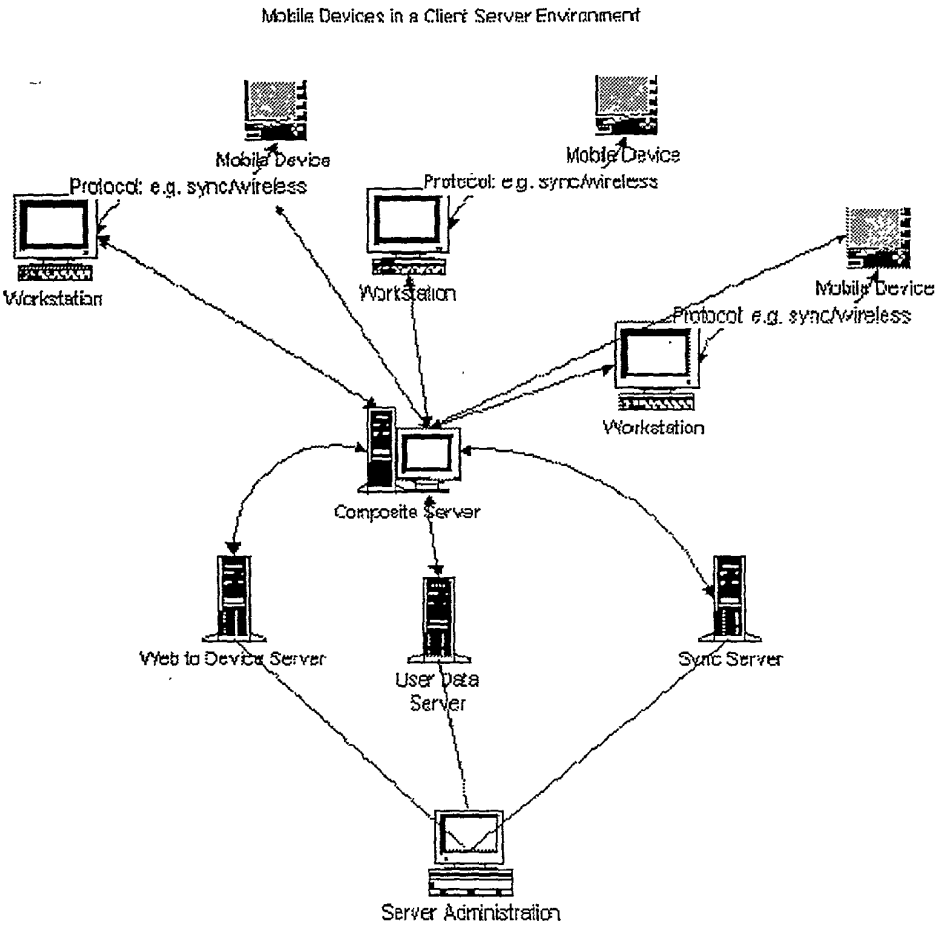


FIG. 1V

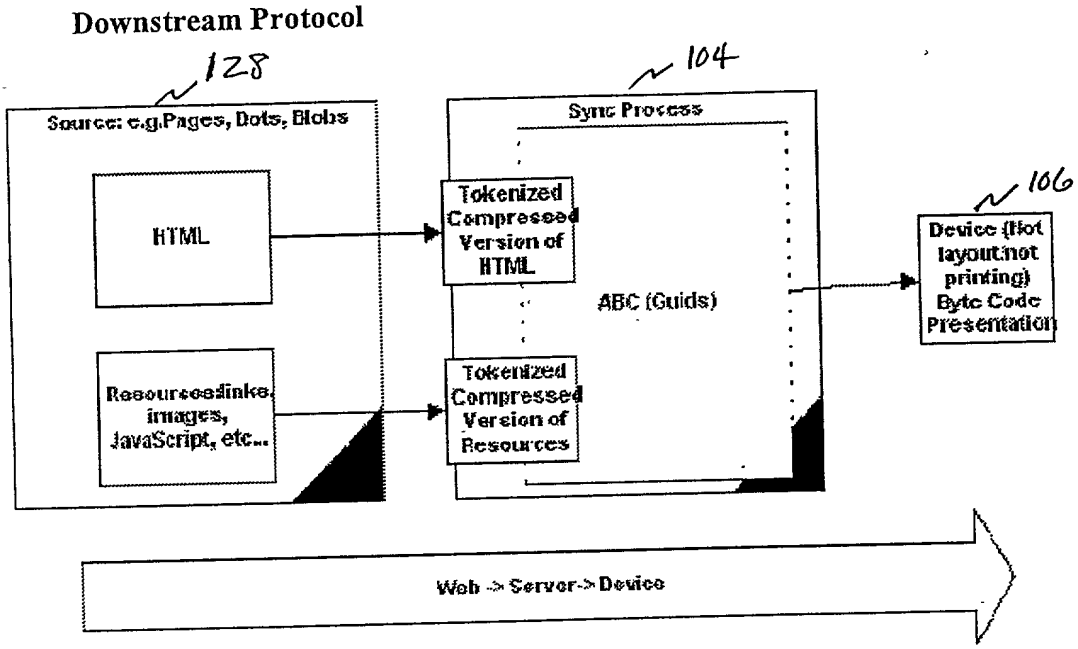

Downstream Protocol
128
Source: e.g.Pages, Dots, Blobs
HTML
Resources(links, images, JavaScript, etc...
104
Sync Process
Tokenized Compressed Version of HTML
ABC (Guids)
Tokenized Compressed Version of Resources
106
Device (Not layout/not printing) Byte Code Presentation
Web -> Server -> Device

FIG. 1W

One Up/One Down Sync

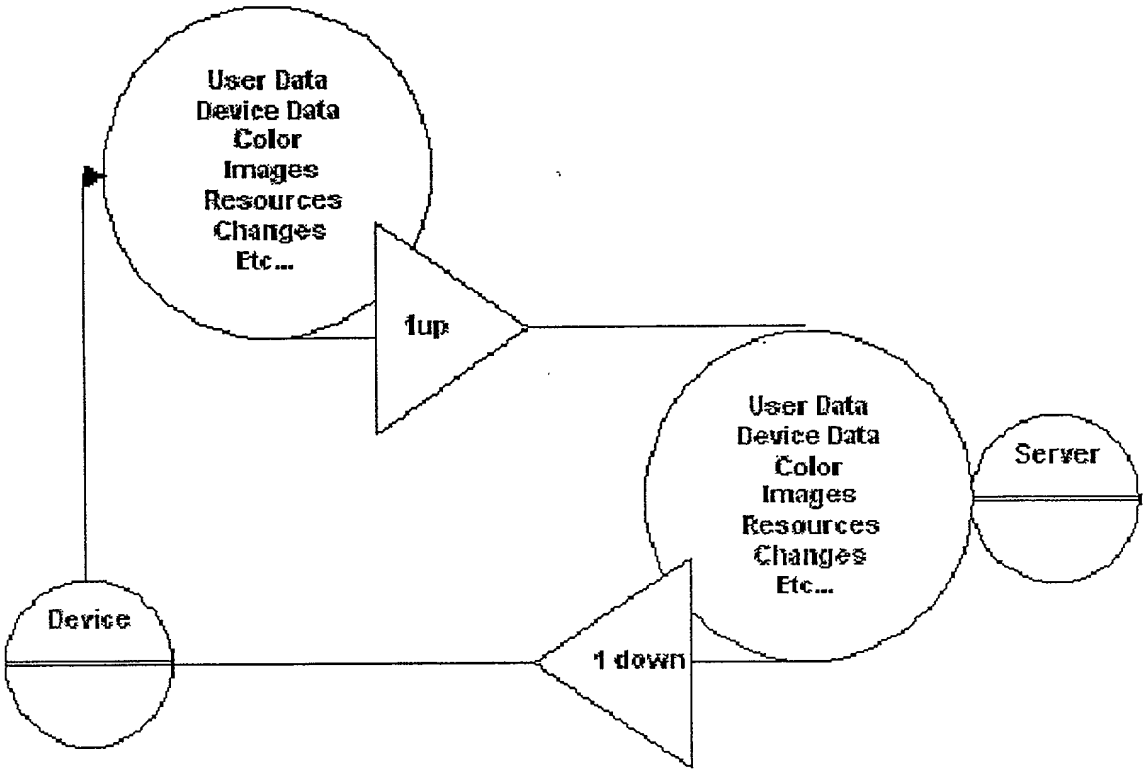


FIG. 1X

Sync Process

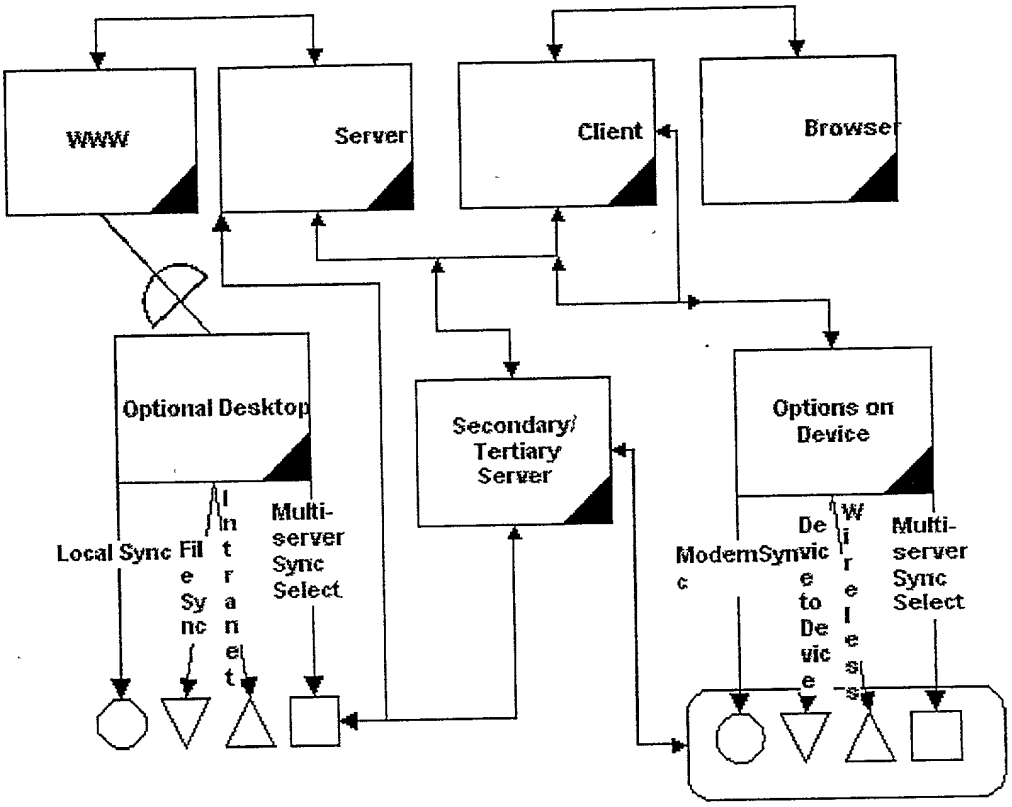


FIG. 14

Granular Variable Protocol

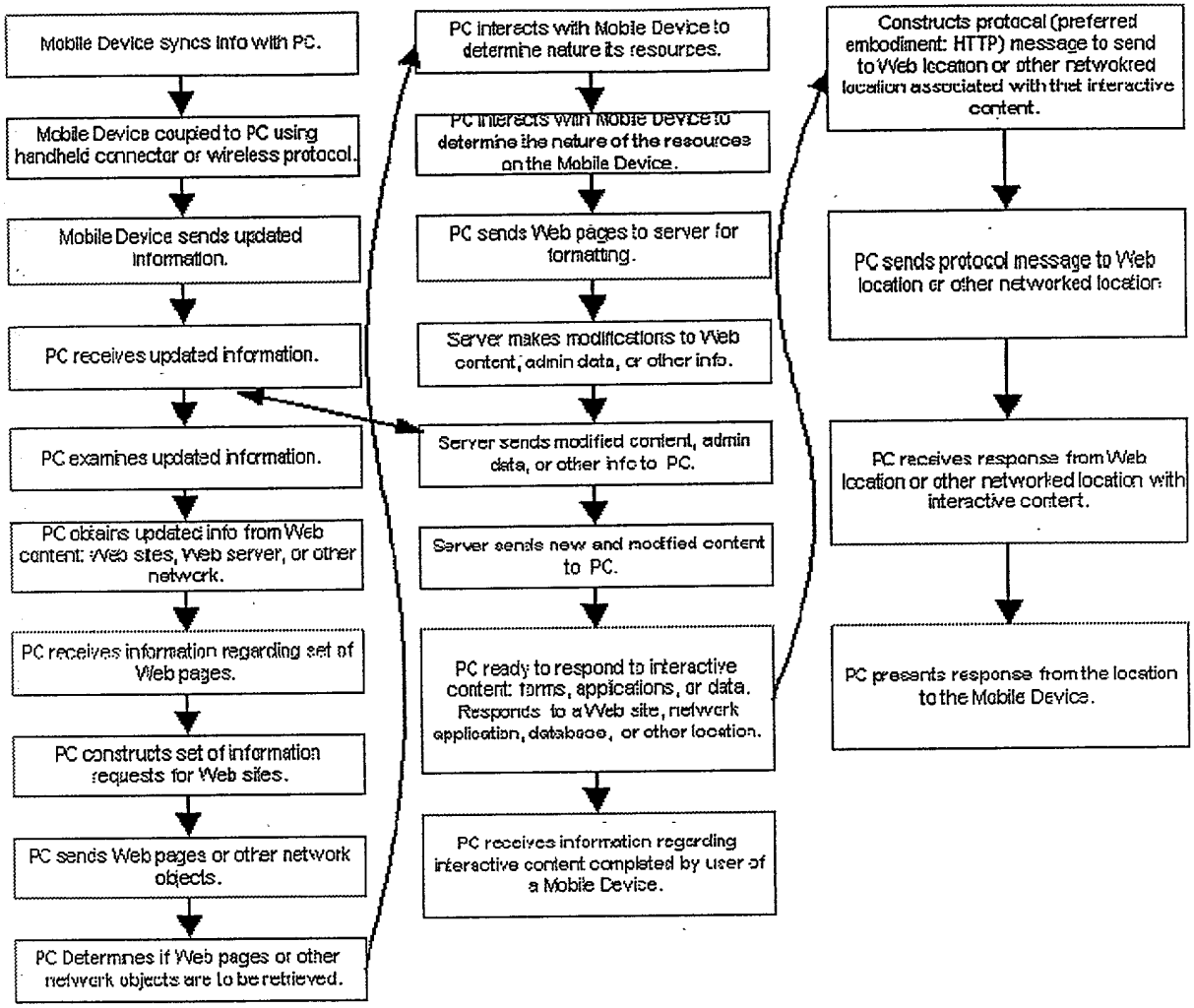


FIG. 17

Optimization: An Example

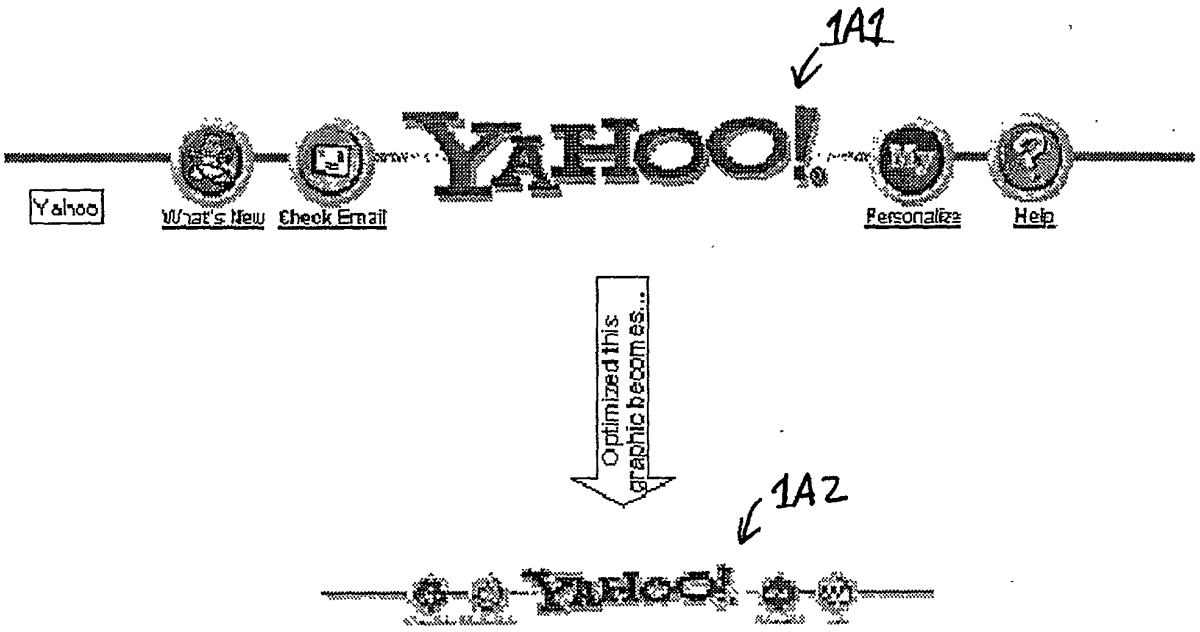


FIG. 1AA

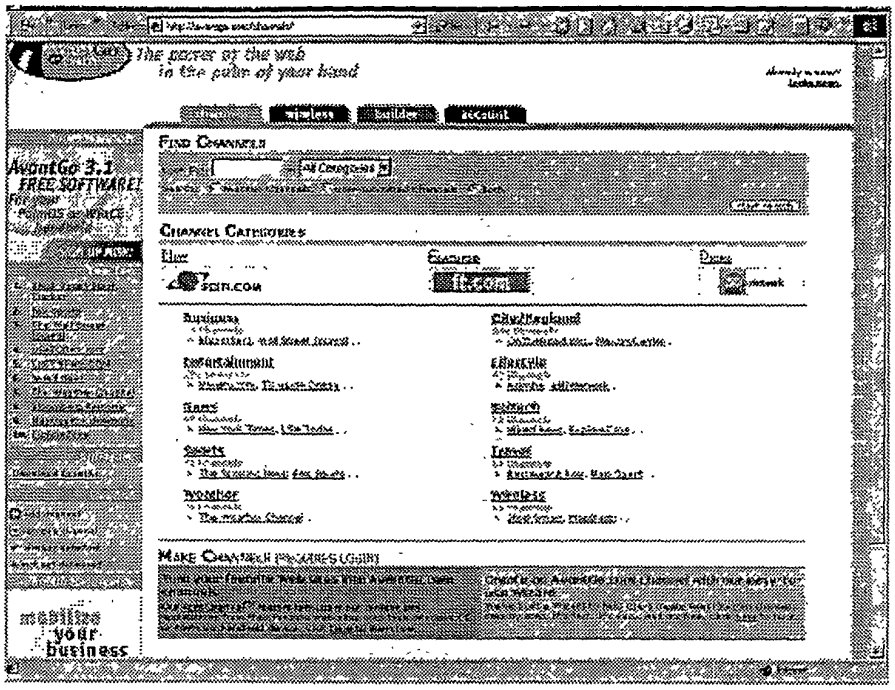

The power of the web
in the palm of your hand
AvantGo 3.1
FREE SOFTWARE!
Find Channels
Channel Categories
mobilize your business

FIG. 1AB

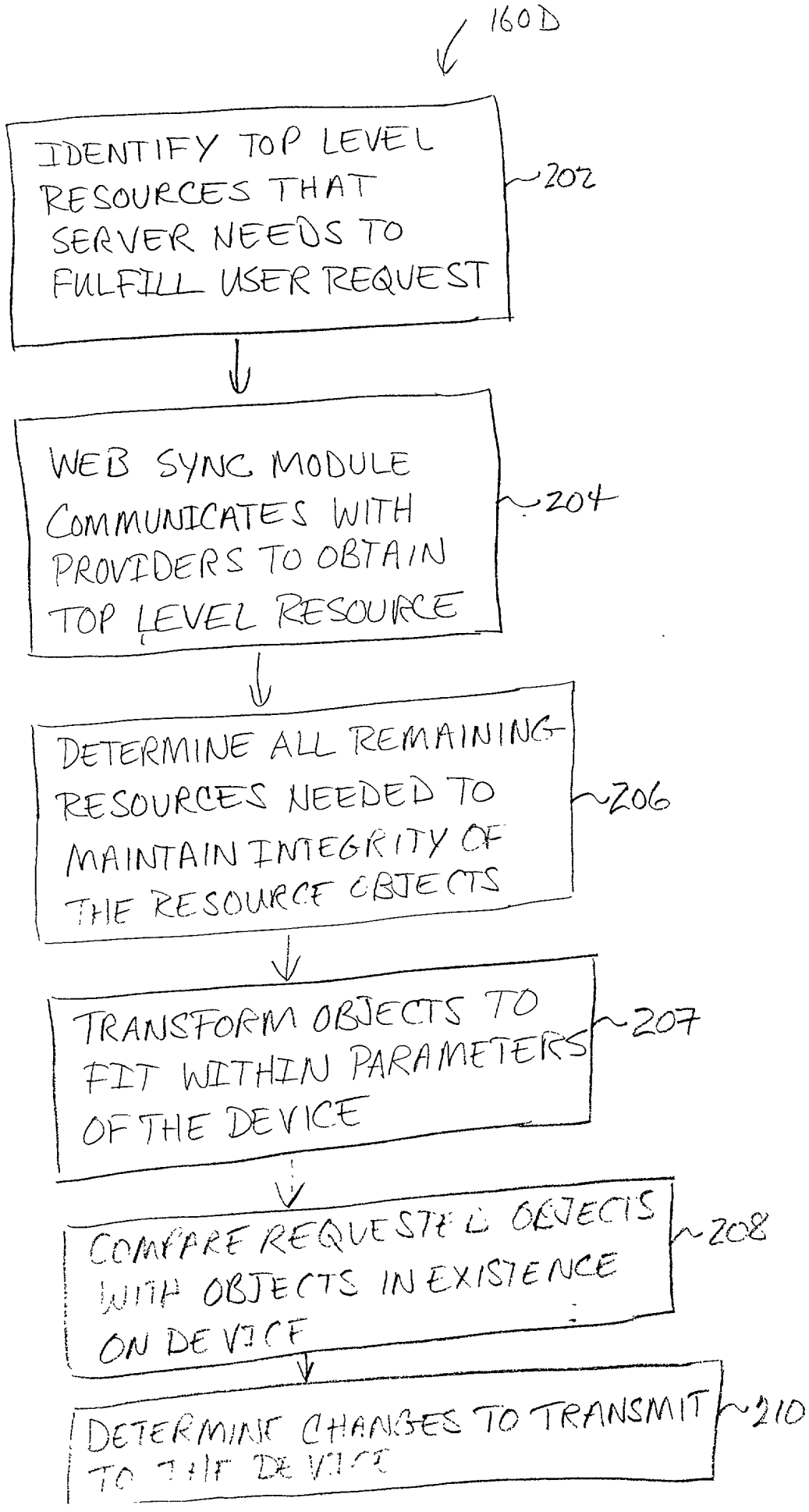


FIG. 2

Docusign Envelope ID: 0000000-0000-0000-0000-000000000000

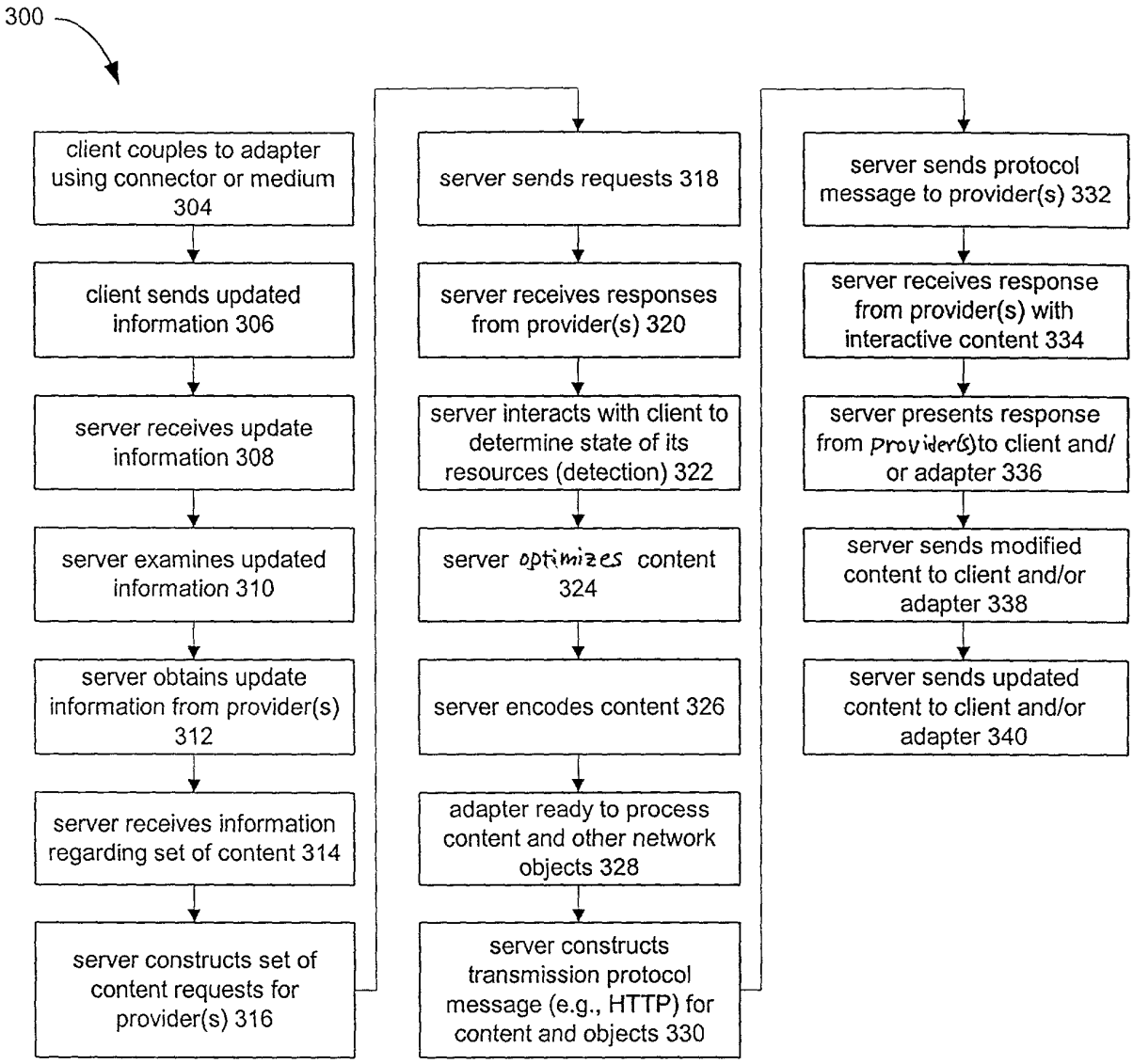

300
client couples to adapter using connector or medium 304
client sends updated information 306
server receives update information 308
server examines updated information 310
server obtains update information from provider(s) 312
server receives information regarding set of content 314
server constructs set of content requests for provider(s) 316
server sends requests 318
server receives responses from provider(s) 320
server interacts with client to determine state of its resources (detection) 322
server optimizes content 324
server encodes content 326
adapter ready to process content and other network objects 328
server constructs transmission protocol message (e.g., HTTP) for content and objects 330
server sends protocol message to provider(s) 332
server receives response from provider(s) with interactive content 334
server presents response from provider(s) to client and/or adapter 336
server sends modified content to client and/or adapter 338
server sends updated content to client and/or adapter 340

FIG. 3A

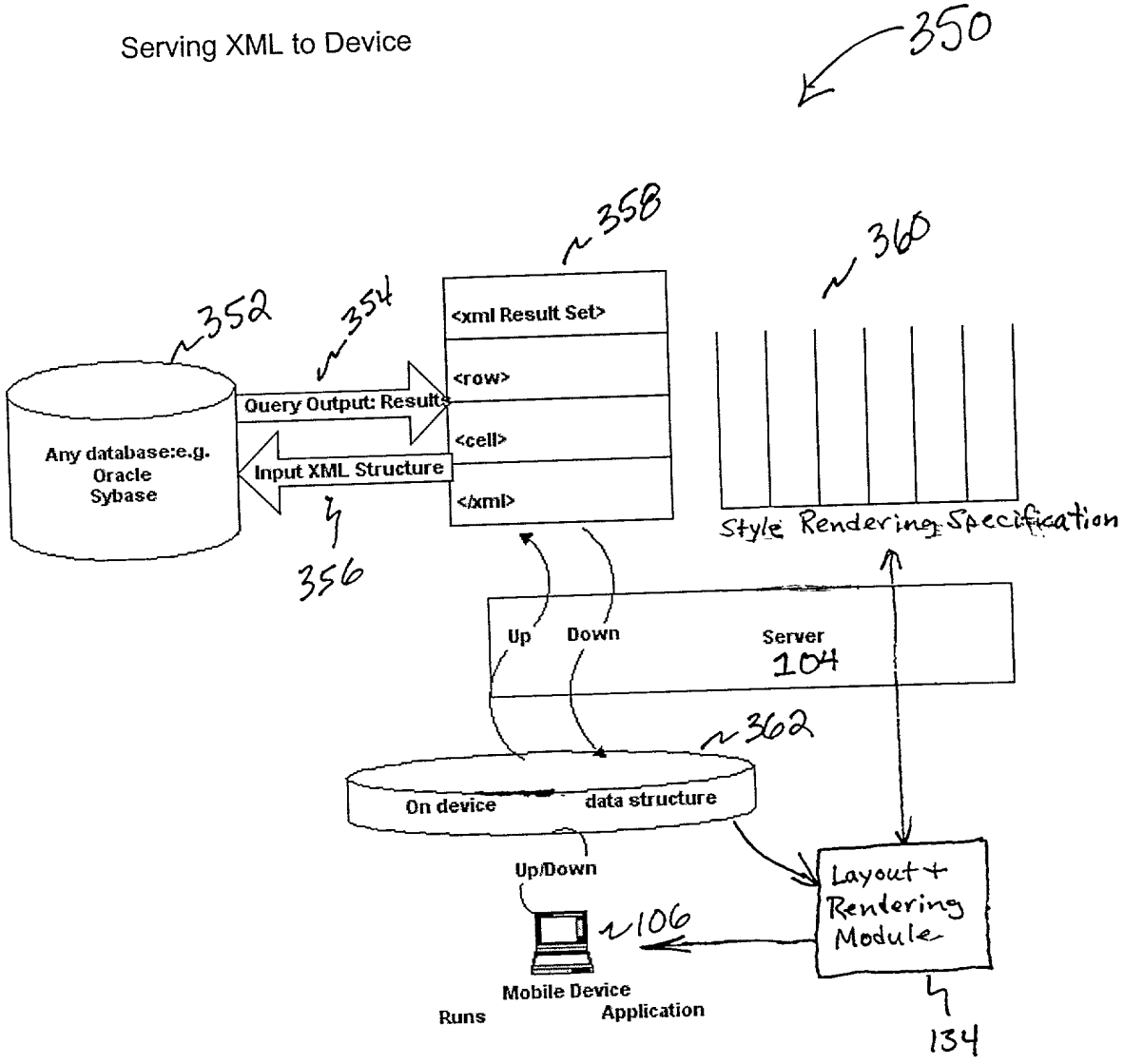

Serving XML to Device
350
358
360
352
354
<xml Result Set>
<row>
<cell>
</xml>
Query Output: Results
Input XML Structure
Any database:e.g.
Oracle
Sybase
356
Style Rendering Specification
Up
Down
Server
104
362
On device
data structure
Up/Down
106
Layout +
Rendering
Module
Mobile Device
Runs
Application
134

FIG. 3B

375

Off-by-any number Sync Recovery

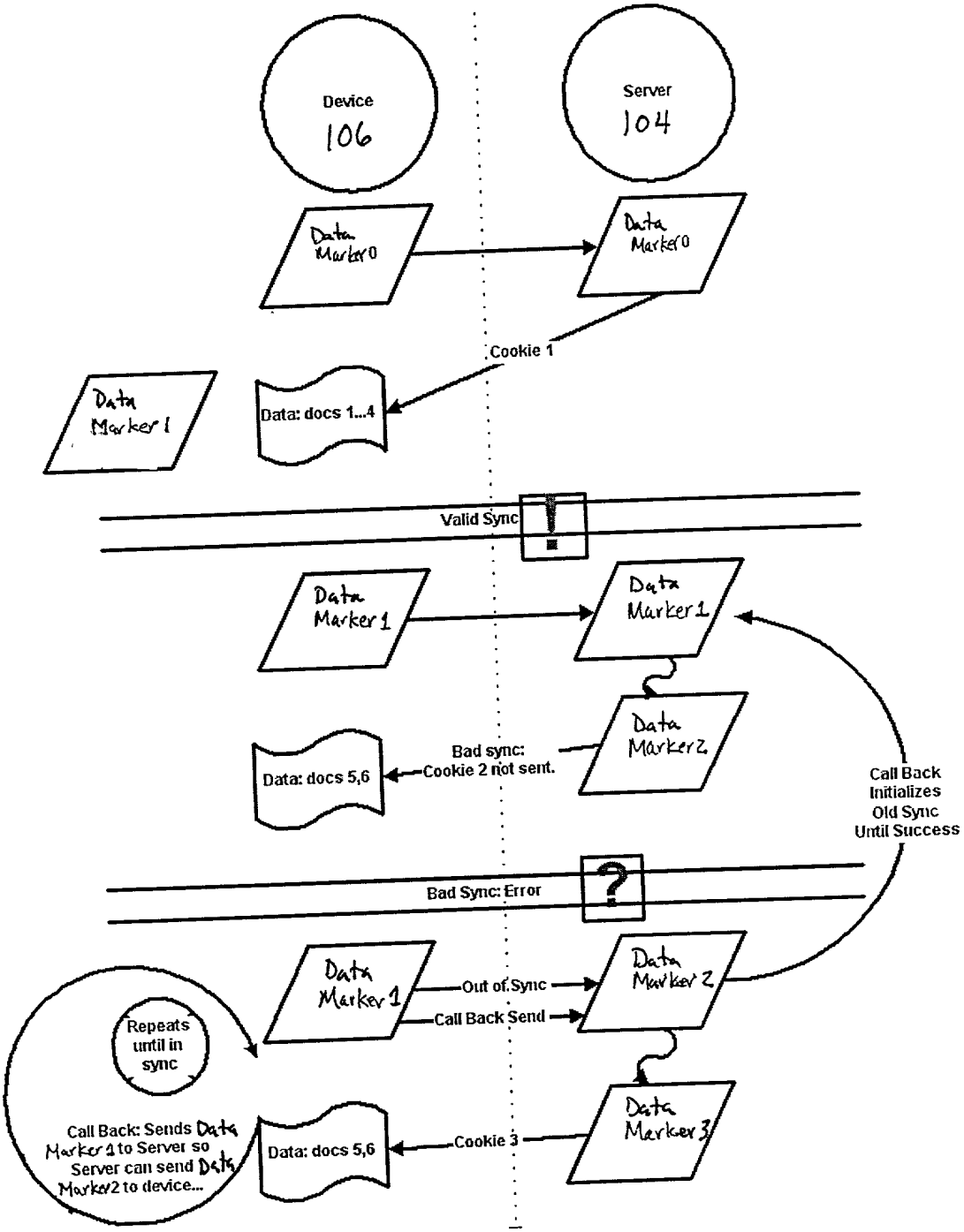


FIG. 3C

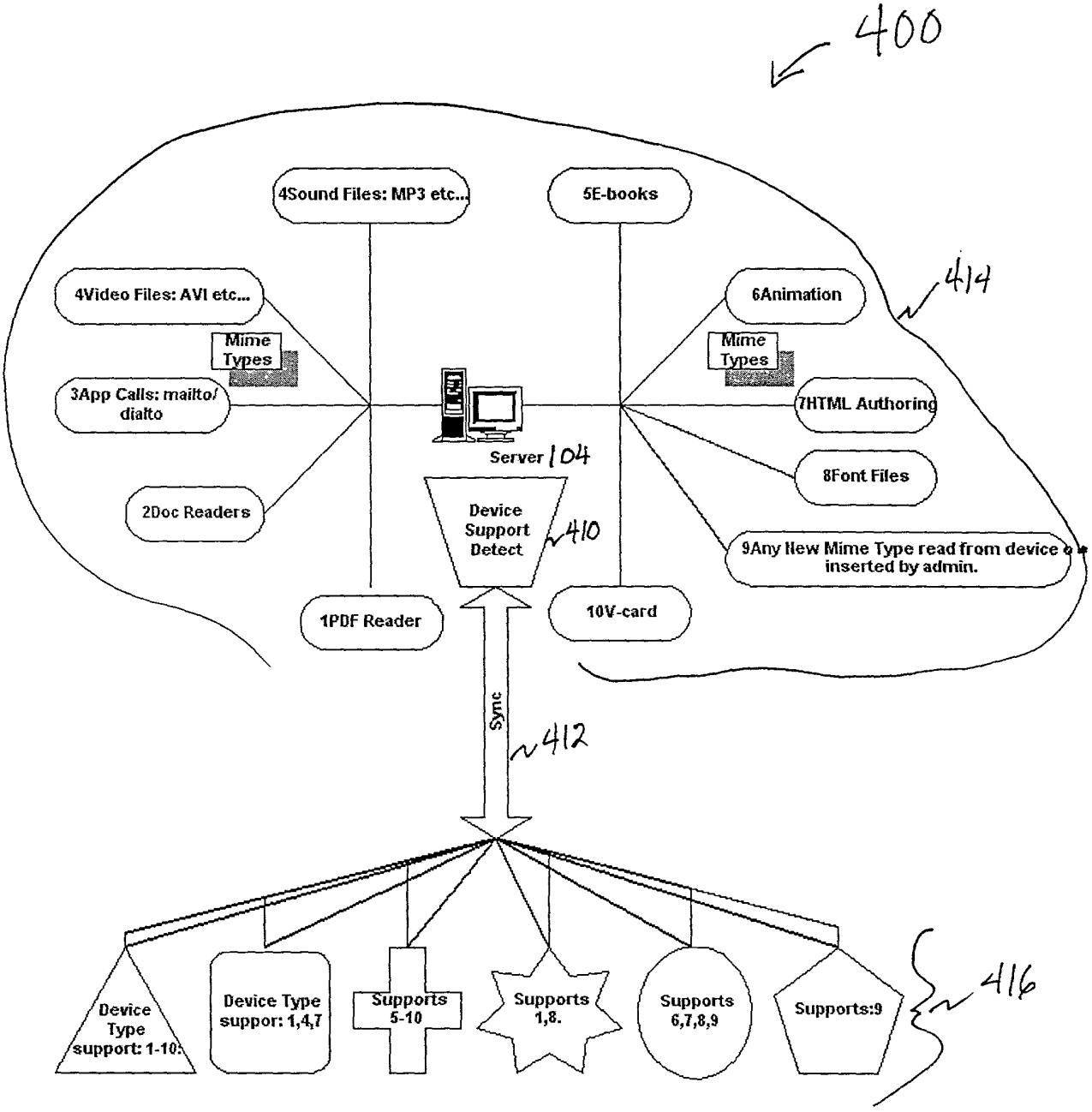

400
4Sound Files: MP3 etc...
5E-books
4Video Files: AVI etc...
Mime Types
3App Calls: mailto/ dialto
2Doc Readers
6Animation
Mime Types
7HTML Authoring
8Font Files
9Any New Mime Type read from device inserted by admin.
414
Server 104
Device Support Detect
410
1PDF Reader
10V-card
Sync
412
Device Type support: 1-10:
Device Type suppor: 1,4,7
Supports 5-10
Supports 1,8.
Supports 6,7,8,9
Supports:9
416

FIG. 4A

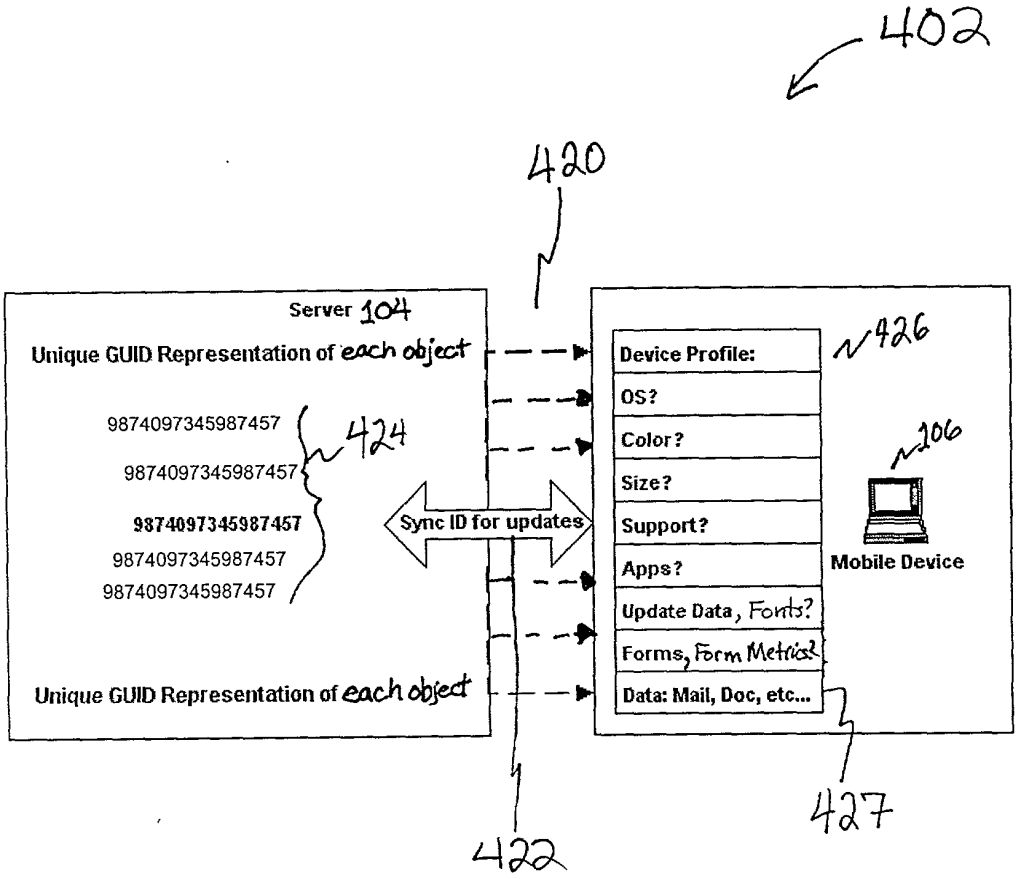

402
420
Server 104
Unique GUID Representation of each object
9874097345987457
9874097345987457
9874097345987457
9874097345987457
9874097345987457
424
Sync ID for updates
Unique GUID Representation of each object
422
Device Profile:
OS?
Color?
Size?
Support?
Apps?
Update Data, Fonts?
Forms, Form Metrics?
Data: Mail, Doc, etc...
426
106
Mobile Device
427

FIG. 4B

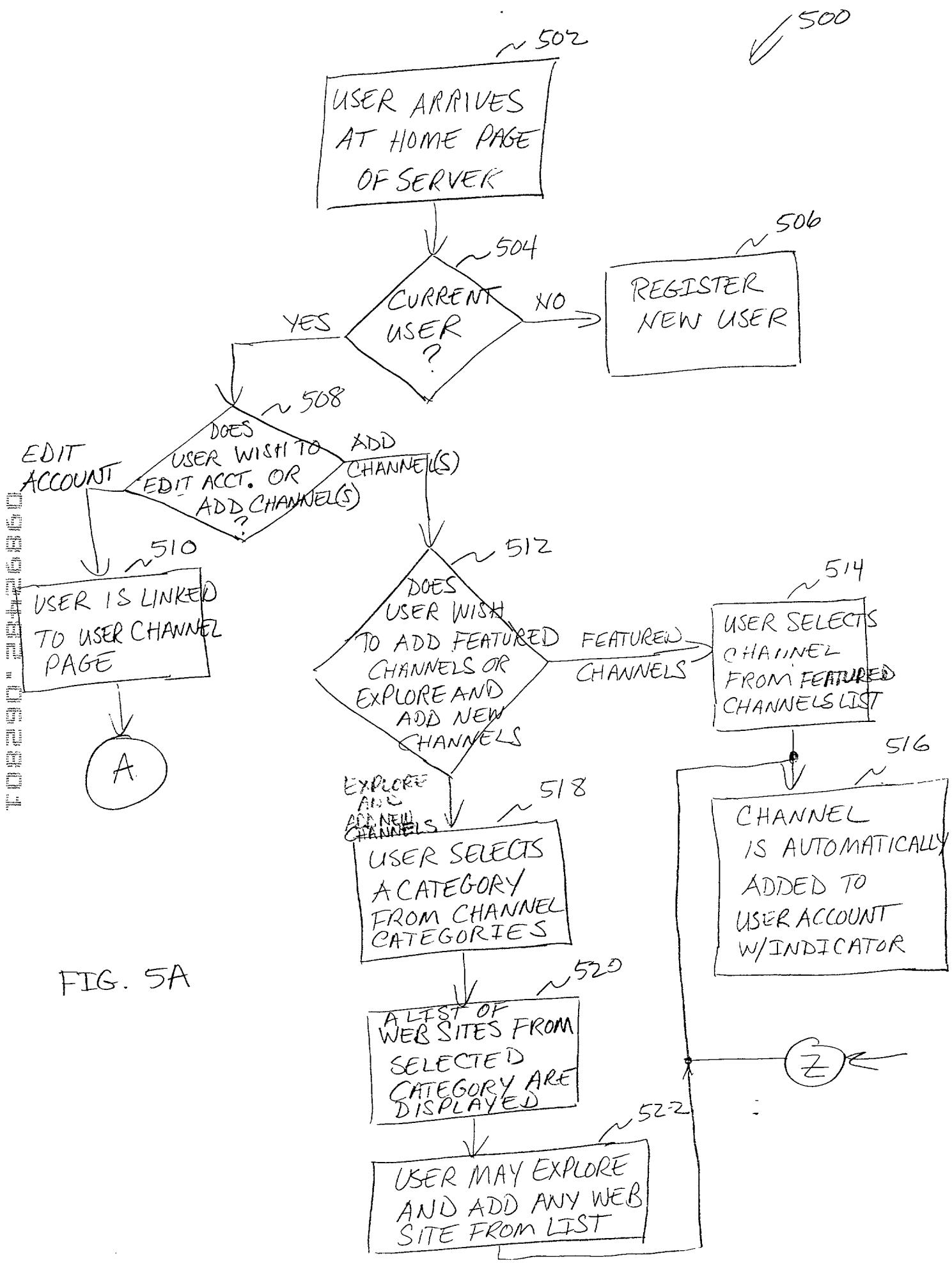

500
502
USER ARRIVES AT HOME PAGE OF SERVER
504
CURRENT USER ?
YES
NO
506
REGISTER NEW USER
508
DOES USER WISH TO EDIT ACCT. OR ADD CHANNEL(S) ?
EDIT ACCOUNT
ADD CHANNEL(S)
510
USER IS LINKED TO USER CHANNEL PAGE
A
512
DOES USER WISH TO ADD FEATURED CHANNELS OR EXPLORE AND ADD NEW CHANNELS
FEATURED CHANNELS
514
USER SELECTS CHANNEL FROM FEATURED CHANNELS LIST
516
CHANNEL IS AUTOMATICALLY ADDED TO USER ACCOUNT W/INDICATOR
EXPLORE AND ADD NEW CHANNELS
518
USER SELECTS A CATEGORY FROM CHANNEL CATEGORIES
520
A LIST OF WEB SITES FROM SELECTED CATEGORY ARE DISPLAYED
522
USER MAY EXPLORE AND ADD ANY WEB SITE FROM LIST
Z

FIG. 5A

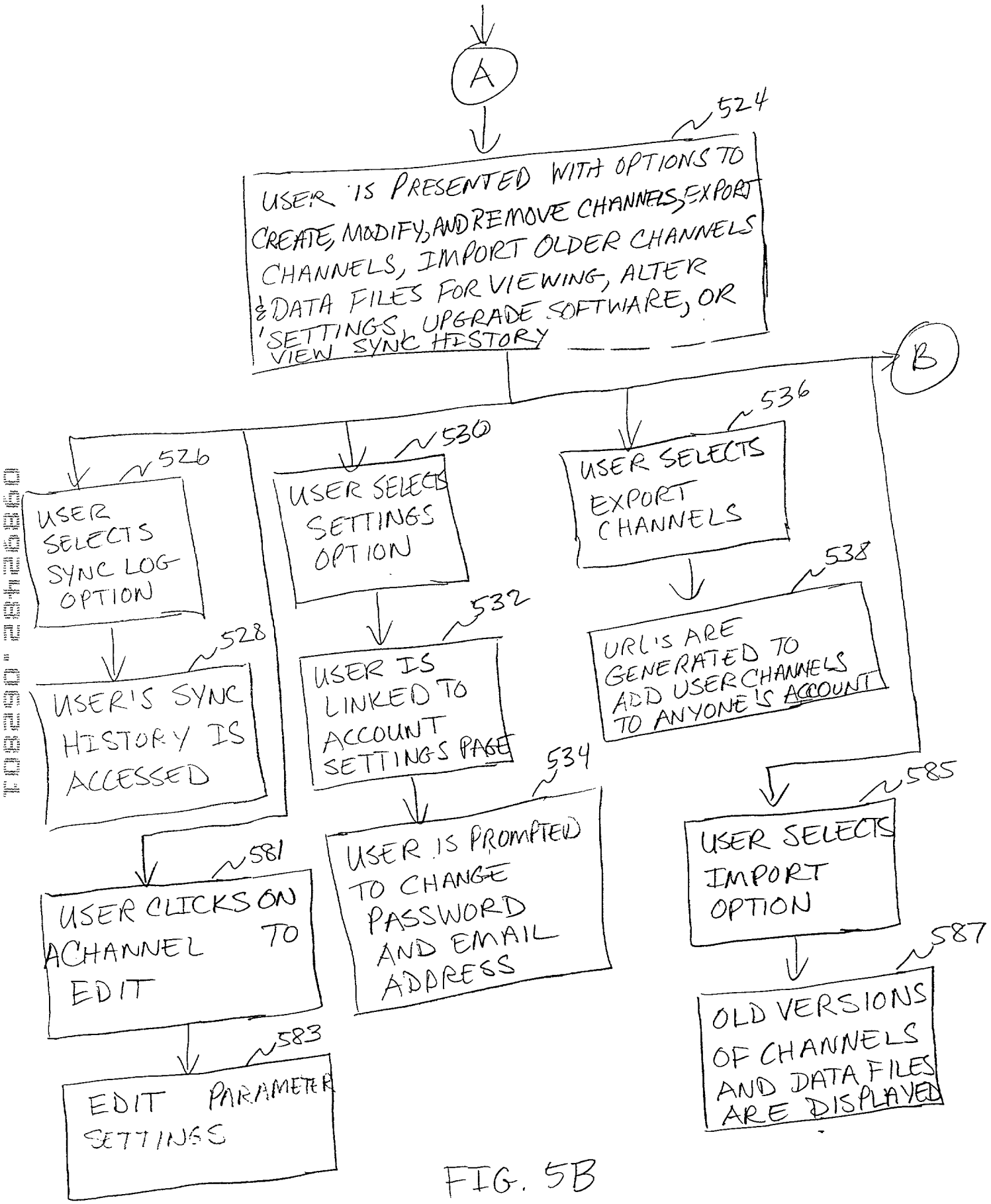
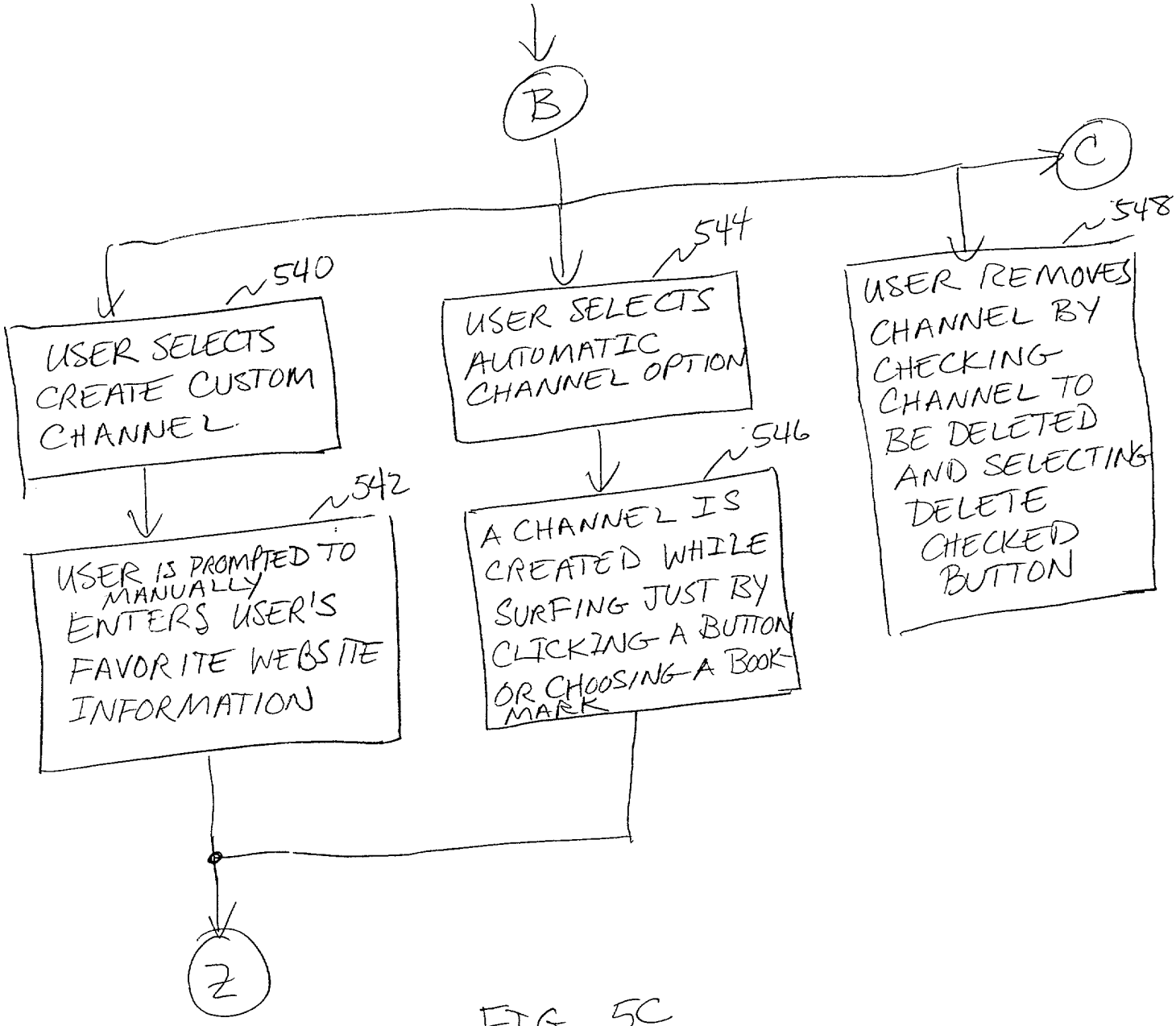
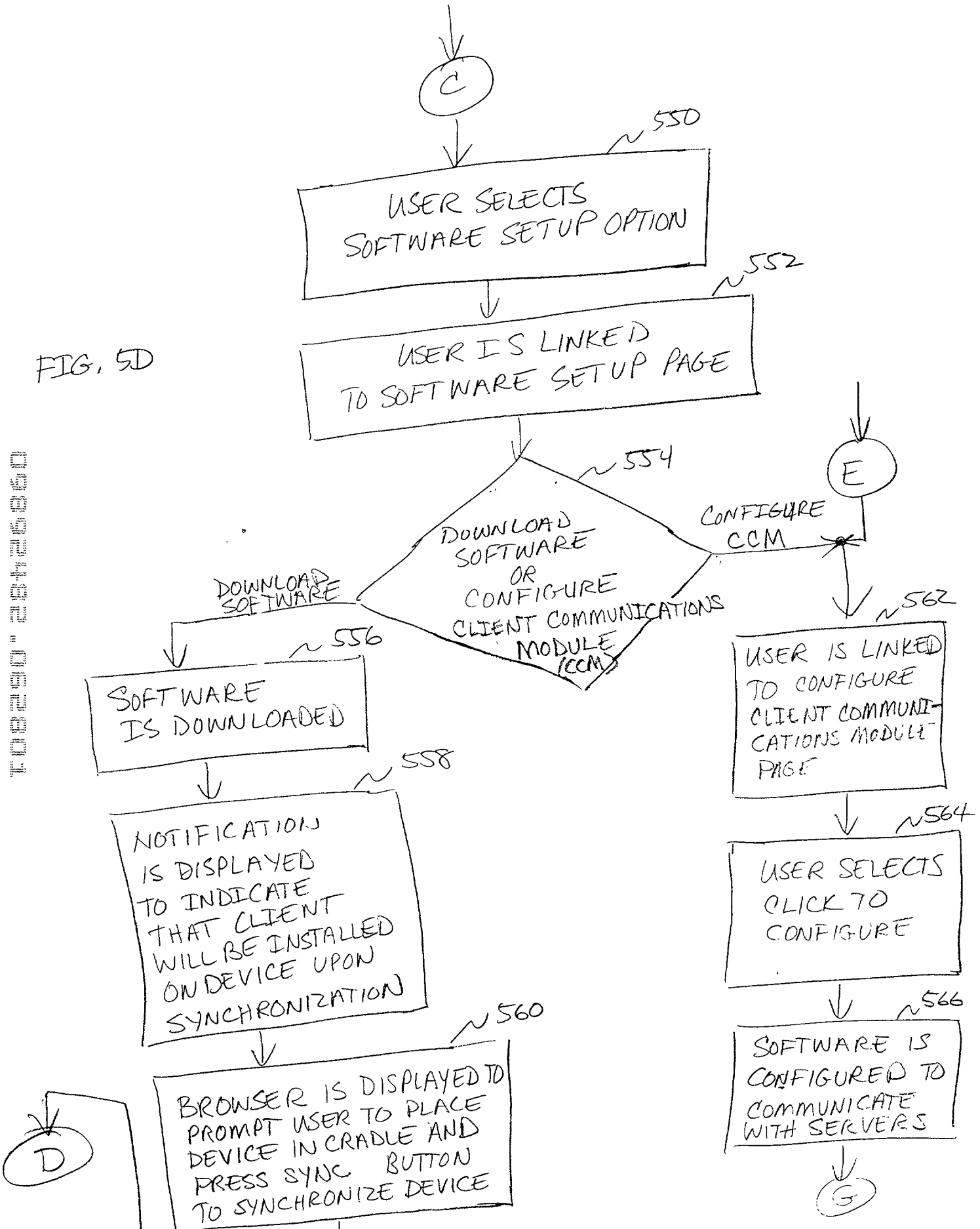

A
524
USER IS PRESENTED WITH OPTIONS TO CREATE, MODIFY, AND REMOVE CHANNELS; EXPORT CHANNELS, IMPORT OLDER CHANNELS & DATA FILES FOR VIEWING, ALTER SETTINGS, UPGRADE SOFTWARE, OR VIEW SYNC HISTORY
B
526
USER SELECTS SYNC LOG OPTION
530
USER SELECTS SETTINGS OPTION
536
USER SELECTS EXPORT CHANNELS
528
USER'S SYNC HISTORY IS ACCESSED
532
USER IS LINKED TO ACCOUNT SETTINGS PAGE
538
URL'S ARE GENERATED TO ADD USER CHANNELS TO ANYONE'S ACCOUNT
534
USER IS PROMPTED TO CHANGE PASSWORD AND EMAIL ADDRESS
585
USER SELECTS IMPORT OPTION
581
USER CLICKS ON A CHANNEL TO EDIT
587
OLD VERSIONS OF CHANNELS AND DATA FILES ARE DISPLAYED
583
EDIT PARAMETER SETTINGS

FIG. 5B


B
C
540
USER SELECTS CREATE CUSTOM CHANNEL
542
USER IS PROMPTED TO MANUALLY ENTERS USER'S FAVORITE WEBSITE INFORMATION
544
USER SELECTS AUTOMATIC CHANNEL OPTION
546
A CHANNEL IS CREATED WHILE SURFING JUST BY CLICKING A BUTTON OR CHOOSING A BOOK-MARK
548
USER REMOVES CHANNEL BY CHECKING CHANNEL TO BE DELETED AND SELECTING DELETE CHECKED BUTTON
Z

FIG, 5C

FIG. 5D



Docusign Envelope ID: 0D0D5F00-0D0D-0D0D-0D0D-0D0D0D0D0D0D

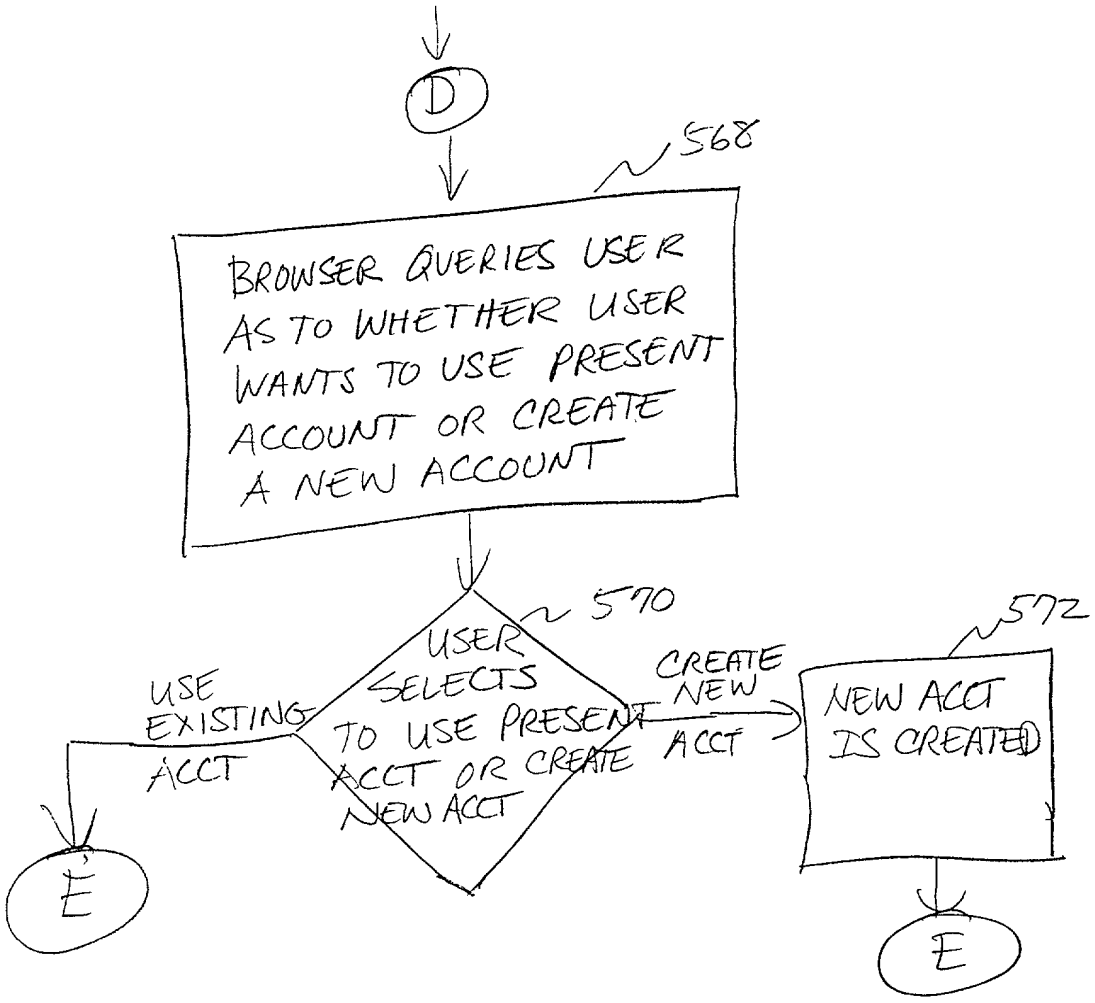

D
568
BROWSER QUERIES USER AS TO WHETHER USER WANTS TO USE PRESENT ACCOUNT OR CREATE A NEW ACCOUNT
570
USER SELECTS TO USE PRESENT ACCT OR CREATE NEW ACCT
USE EXISTING ACCT
CREATE NEW ACCT
572
NEW ACCT IS CREATED
E
E

FIG. 5E

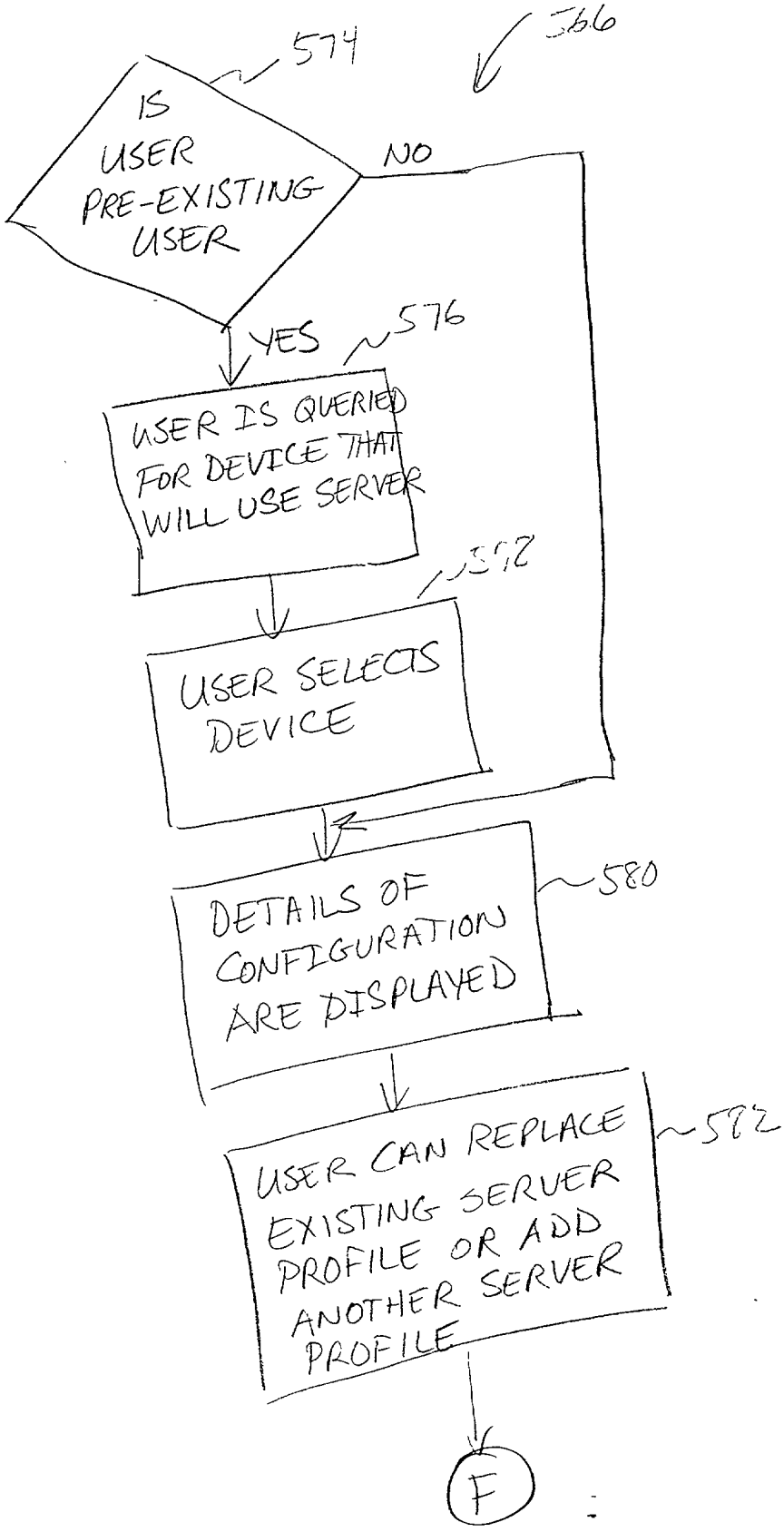

366
574
IS USER PRE-EXISTING USER
NO
YES
576
USER IS QUERIED FOR DEVICE THAT WILL USE SERVER
578
USER SELECTS DEVICE
580
DETAILS OF CONFIGURATION ARE DISPLAYED
582
USER CAN REPLACE EXISTING SERVER PROFILE OR ADD ANOTHER SERVER PROFILE
F

FIG. 5F

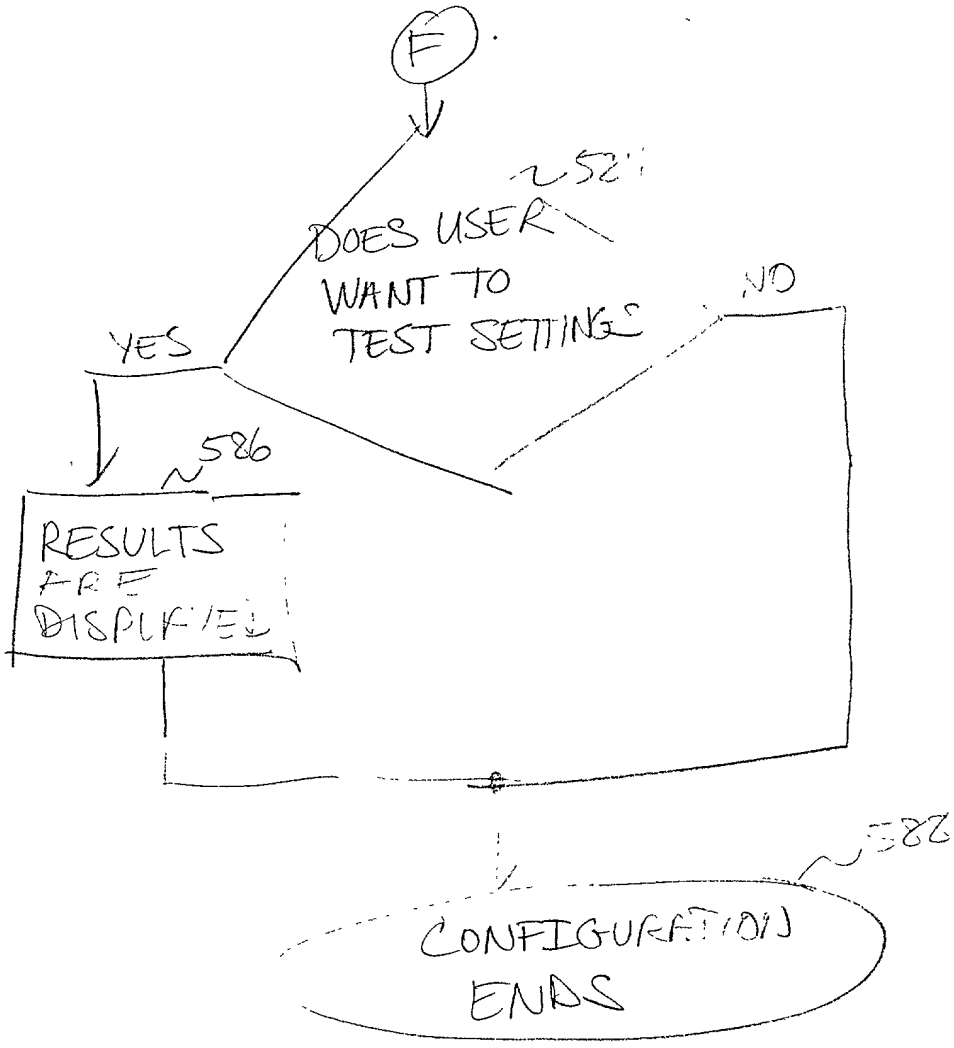

F
582
DOES USER WANT TO TEST SETTINGS
YES
NO
586
RESULTS ARE DISPLAYED
588
CONFIGURATION ENDS

FIG 5F

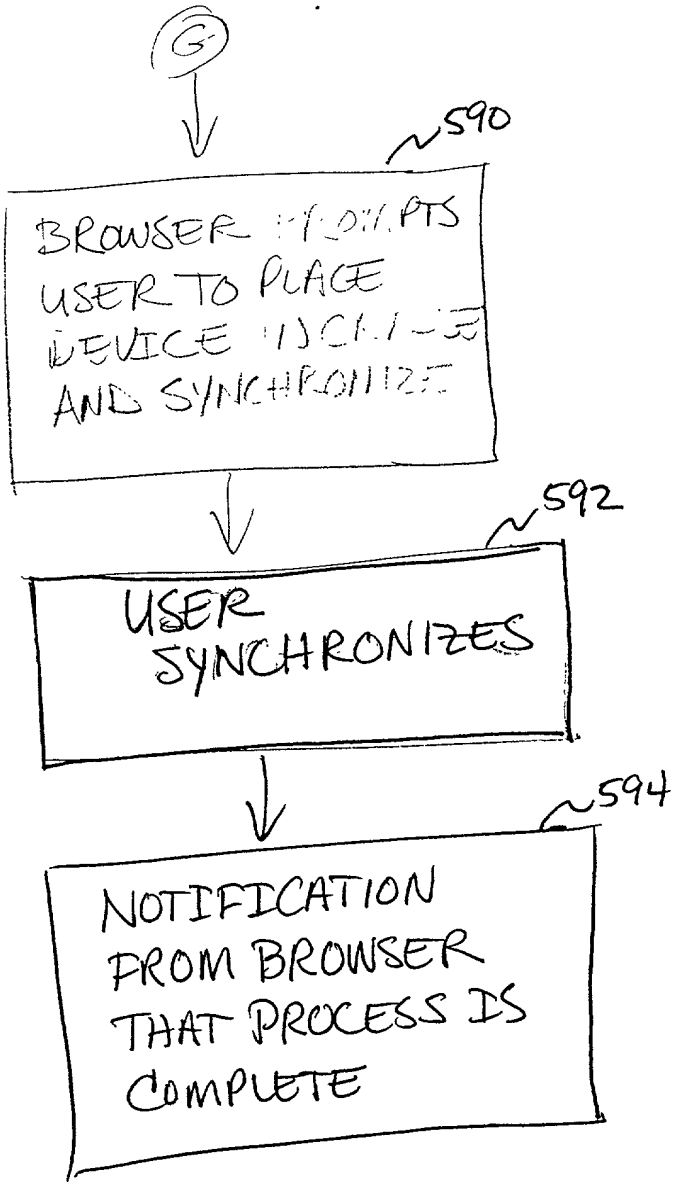

G
590
BROWSER PROMPTS USER TO PLACE DEVICE IN CRADLE AND SYNCHRONIZE
592
USER SYNCHRONIZES
594
NOTIFICATION FROM BROWSER THAT PROCESS IS COMPLETE

FIG. 5H

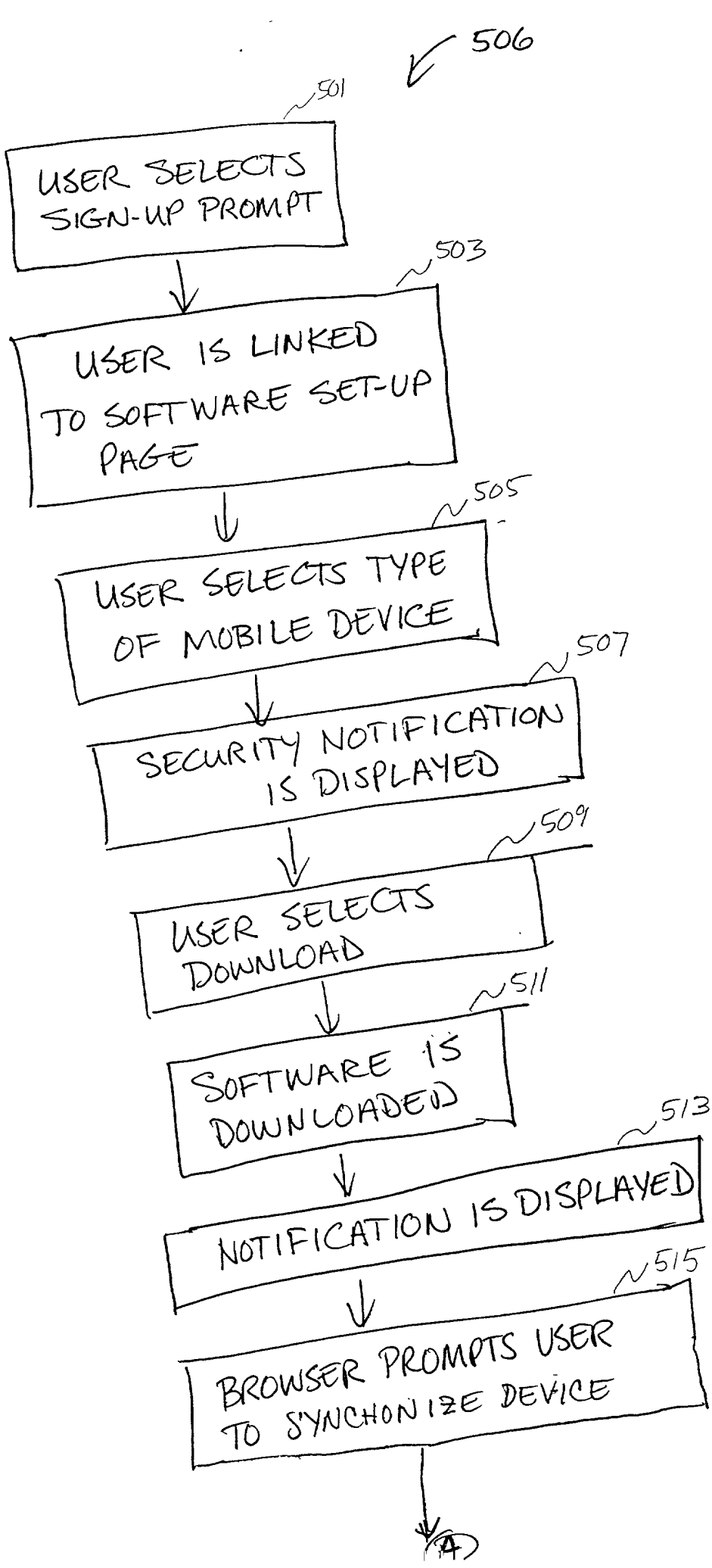


FIG. 5I

Docusign Envelope ID: 0000000-0000-0000-0000-000000000000

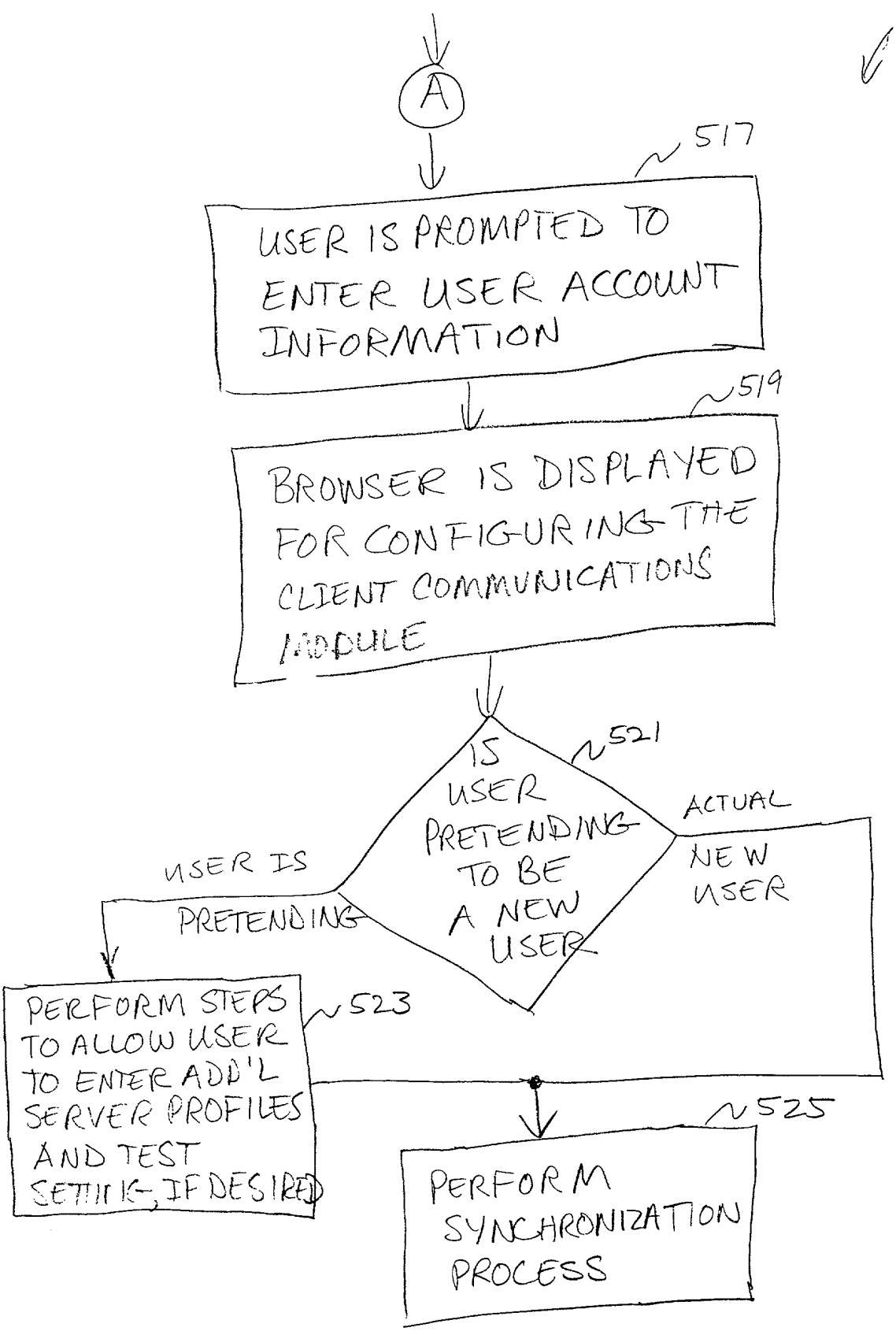

506 Cont
A
517
USER IS PROMPTED TO ENTER USER ACCOUNT INFORMATION
519
BROWSER IS DISPLAYED FOR CONFIGURING THE CLIENT COMMUNICATIONS MODULE
521
IS USER PRETENDING TO BE A NEW USER
USER IS PRETENDING
ACTUAL NEW USER
523
PERFORM STEPS TO ALLOW USER TO ENTER ADD'L SERVER PROFILES AND TEST SETTING, IF DESIRED
525
PERFORM SYNCHRONIZATION PROCESS

FIG. 5J

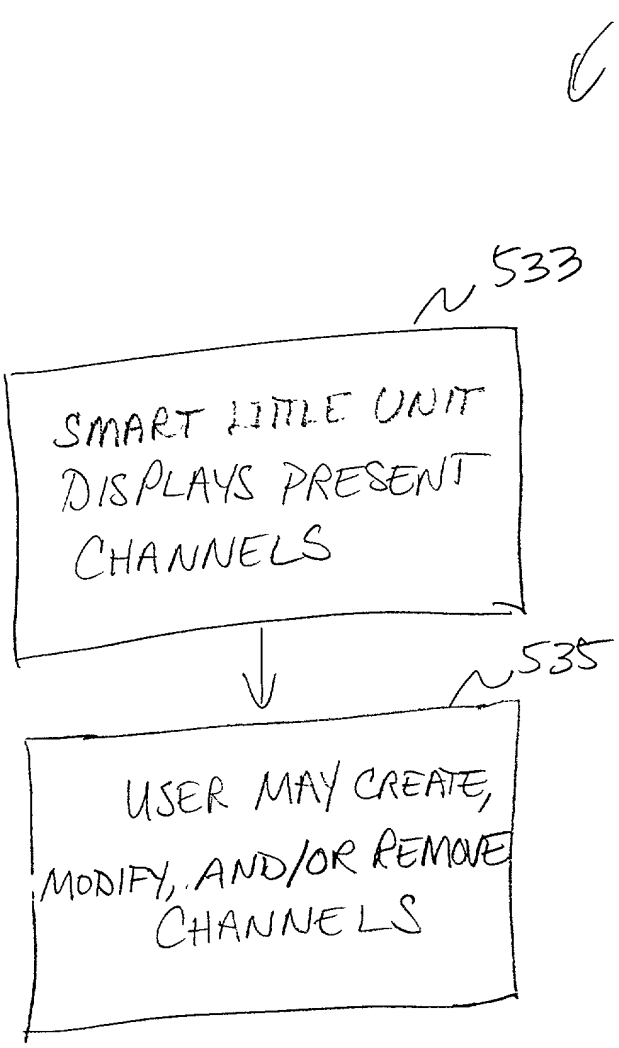

531
533
SMART LITTLE UNIT DISPLAYS PRESENT CHANNELS
535
USER MAY CREATE, MODIFY, AND/OR REMOVE CHANNELS

FIG. 5K

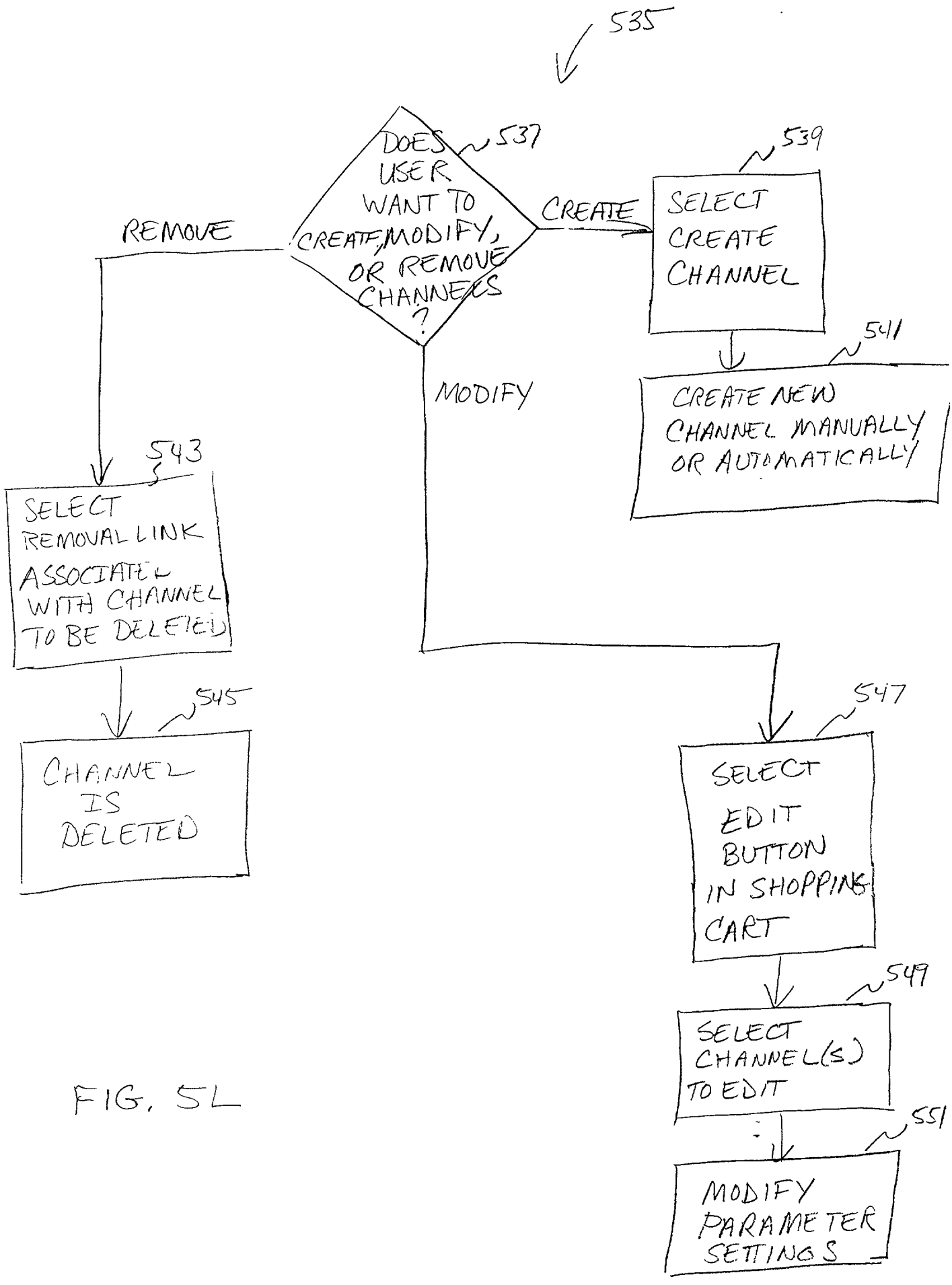

535
DOES USER WANT TO CREATE, MODIFY, OR REMOVE CHANNELS ?
537
REMOVE
CREATE
MODIFY
539
SELECT CREATE CHANNEL
541
CREATE NEW CHANNEL MANUALLY OR AUTOMATICALLY
543
SELECT REMOVAL LINK ASSOCIATED WITH CHANNEL TO BE DELETED
545
CHANNEL IS DELETED
547
SELECT EDIT BUTTON IN SHOPPING CART
549
SELECT CHANNEL(S) TO EDIT
551
MODIFY PARAMETER SETTINGS

FIG. 5L

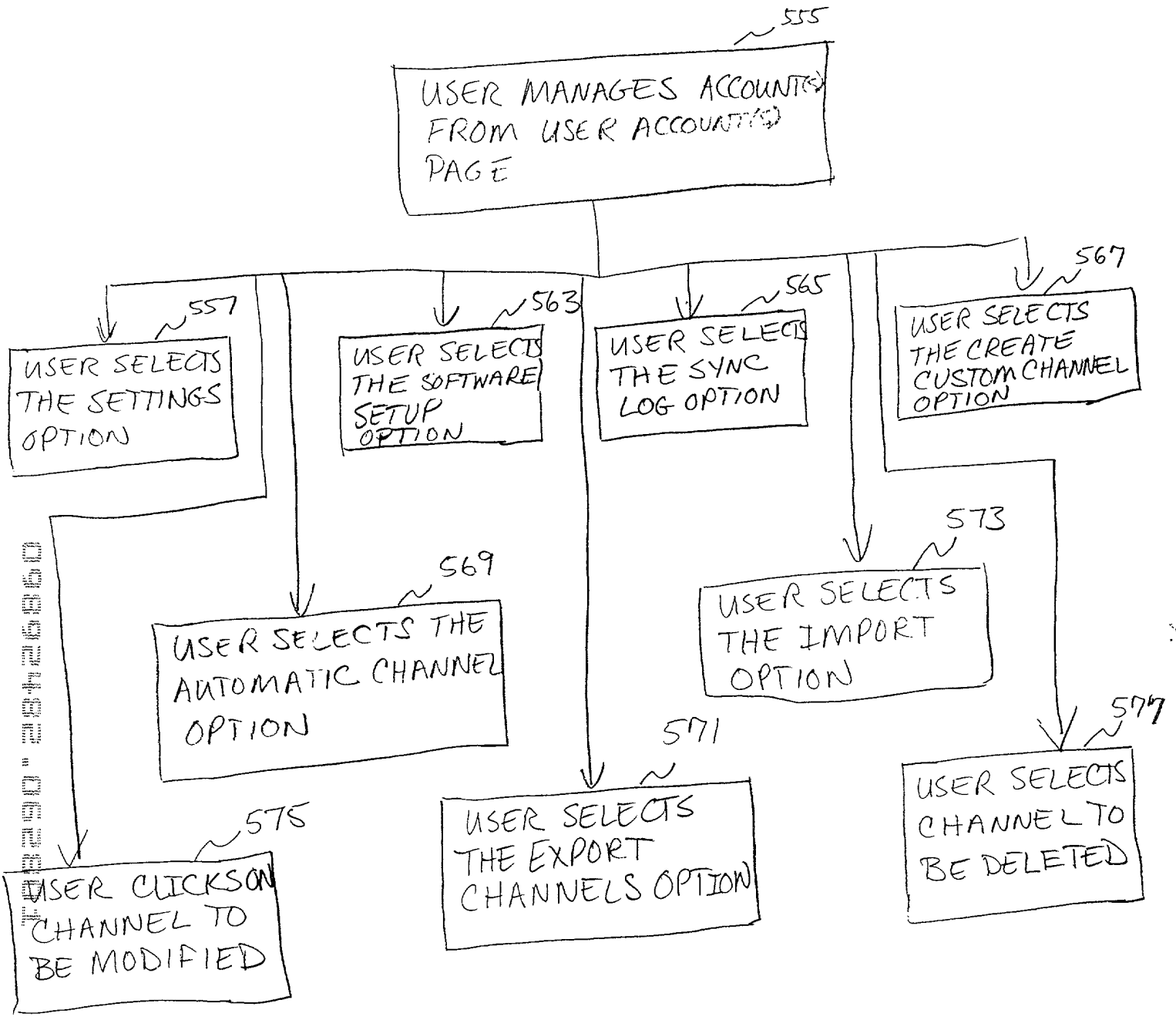

555
USER MANAGES ACCOUNT(S) FROM USER ACCOUNT(S) PAGE
557
USER SELECTS THE SETTINGS OPTION
563
USER SELECTS THE SOFTWARE SETUP OPTION
565
USER SELECTS THE SYNC LOG OPTION
567
USER SELECTS THE CREATE CUSTOM CHANNEL OPTION
569
USER SELECTS THE AUTOMATIC CHANNEL OPTION
573
USER SELECTS THE IMPORT OPTION
571
USER SELECTS THE EXPORT CHANNELS OPTION
577
USER SELECTS CHANNEL TO BE DELETED
575
USER CLICKS ON CHANNEL TO BE MODIFIED

FIG. 5M

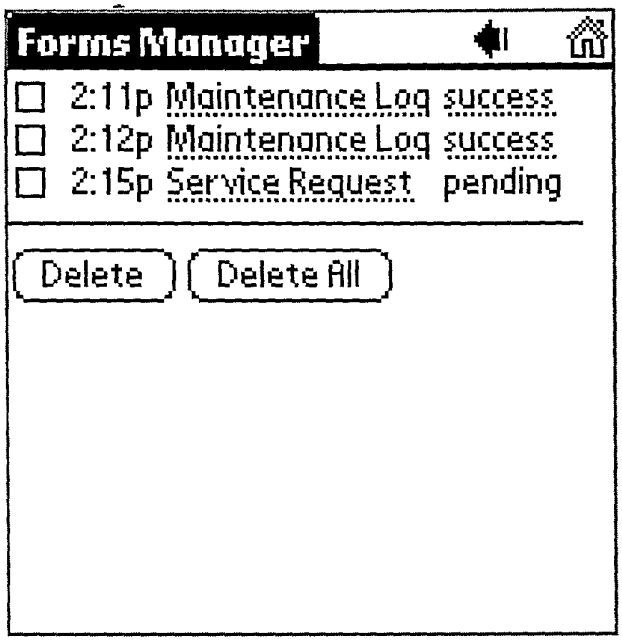


FIG. 6

Patent Application Publication

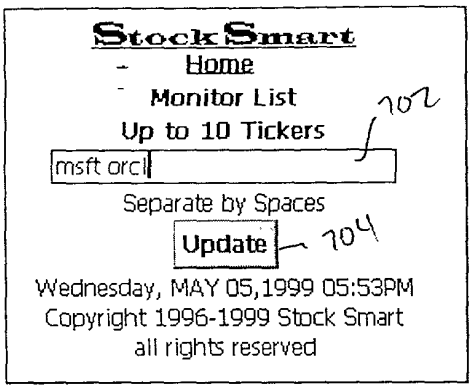


FIG. 7

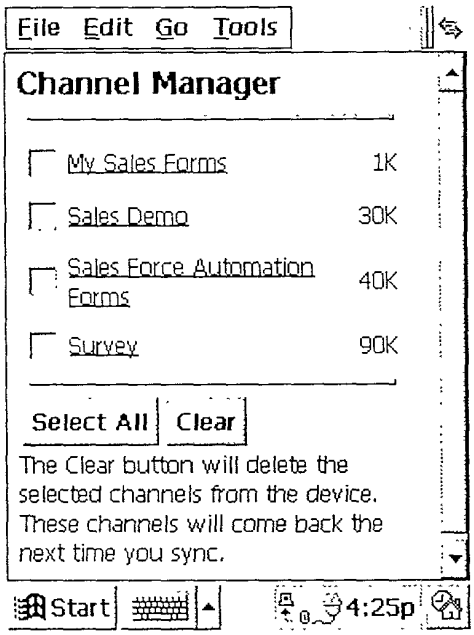


FIG. 8

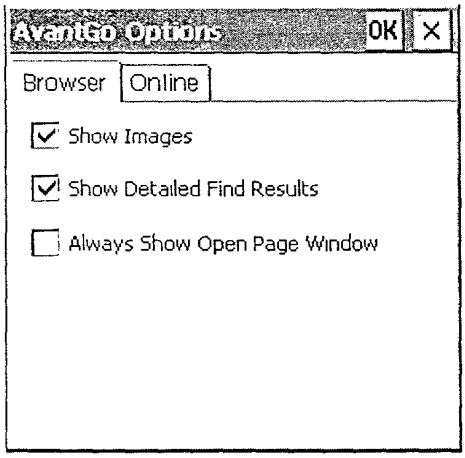


FIG. 9

Document - Confidential

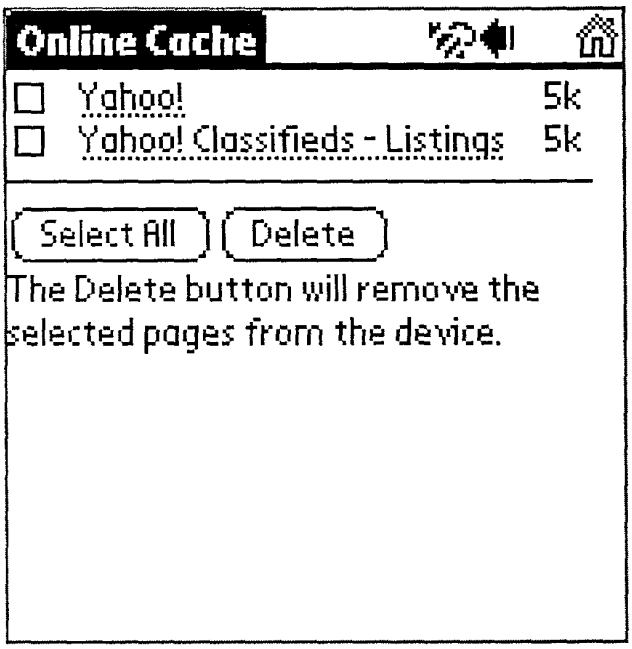


FIG. 10

Page 1 of 6 - 09/20/2000

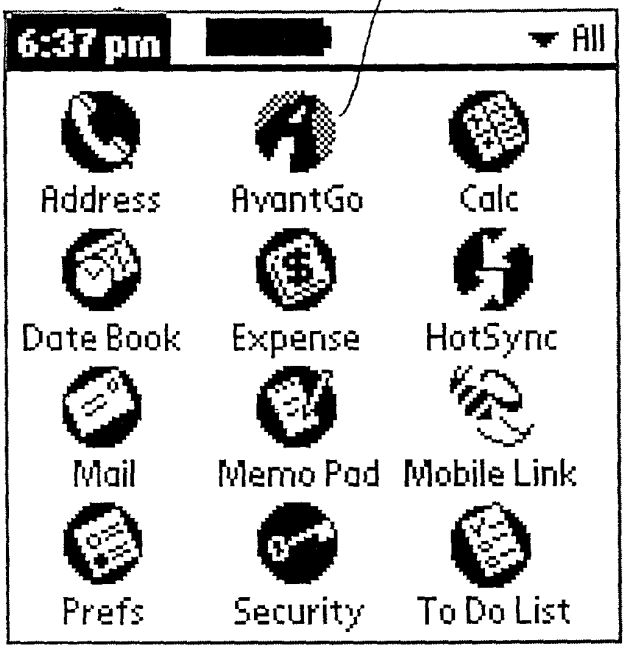


FIG. 11

Palm Ex. 2001
Page 1 of 1

FIG. 12

09893480 - 062804

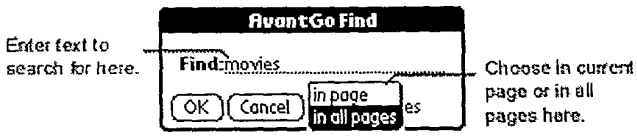


FIG. 13

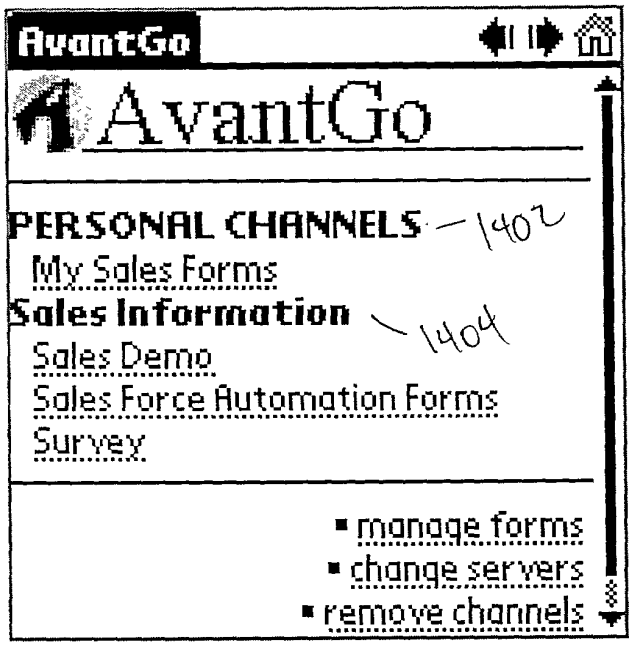


FIG. 14

09809400 - 050200

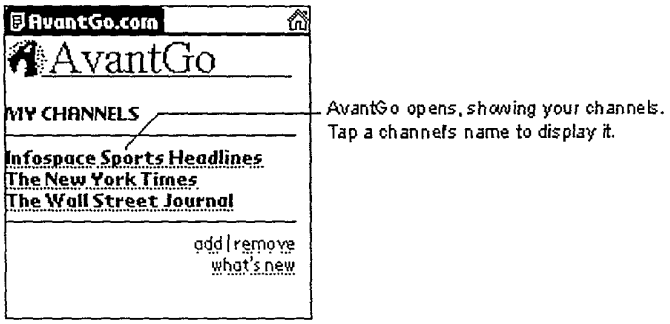


Fig. 15

Exhibit 1003 - Page 0015

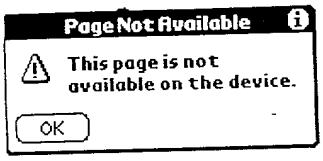


FIG. 16

Document - Confidential

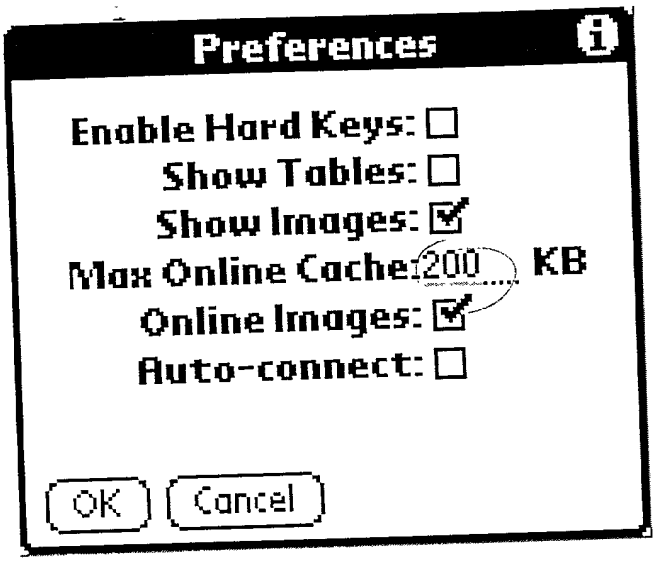


FIG. 17

D-0000000-0000000-4

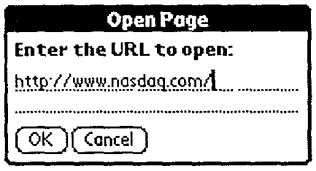


FIG. 14

7080204 - 070505

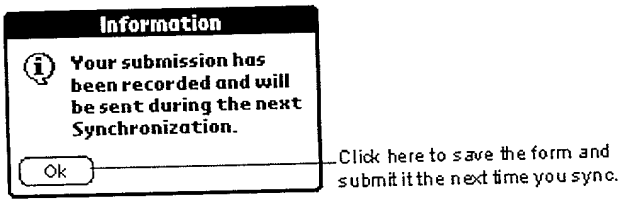


FIG. 19

D2005F0N-D0D0801

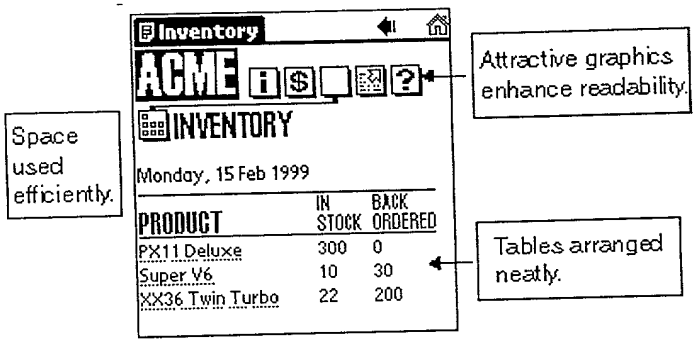


FIG. 20

D0C0N4P0 - 0N0S0P

Increase font

FIG. 21

Decrease font

FIG. 22

5,880,743

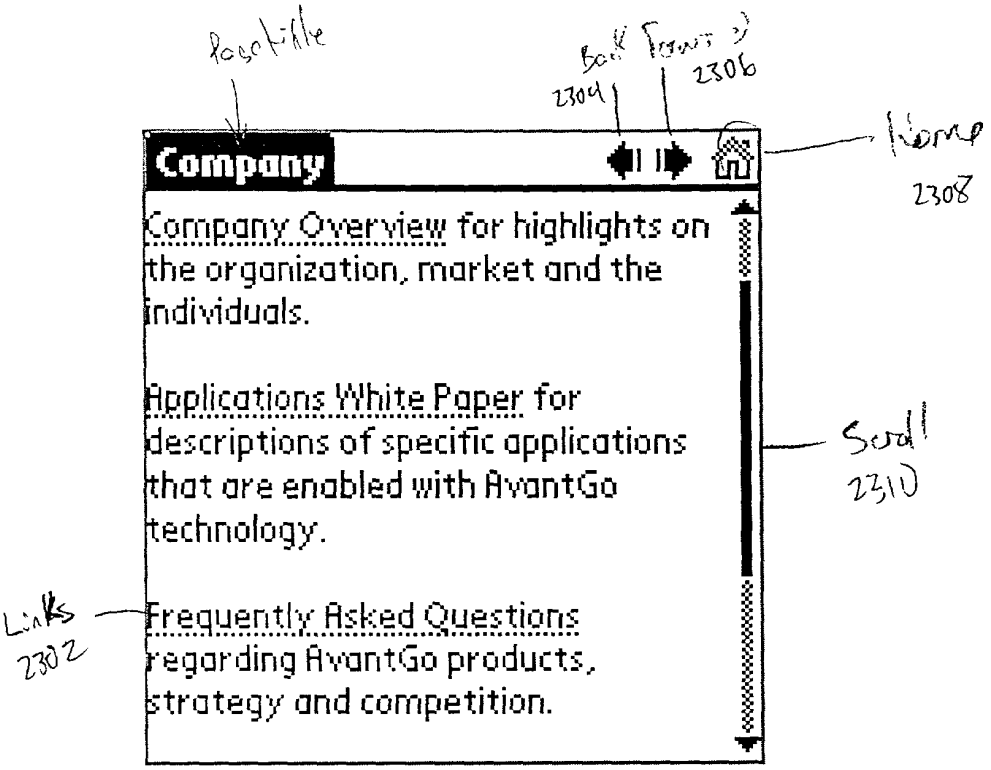


FIG. 23

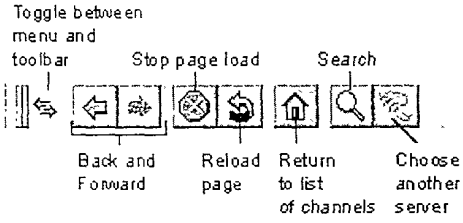


FIG. 24

Docket No. 50277-0001

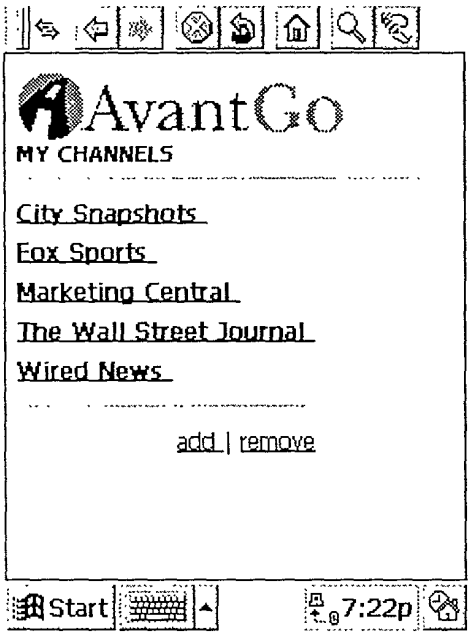


FIG. 25

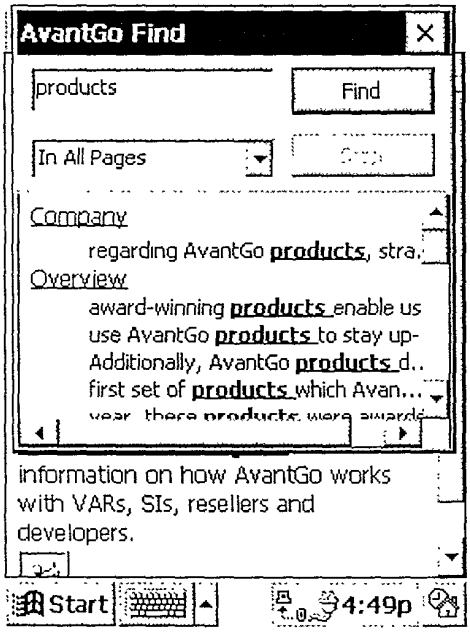


FIG. 26

09025450 - 090205

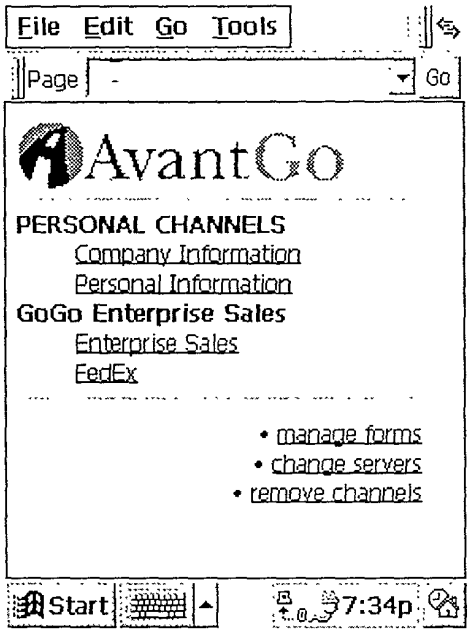
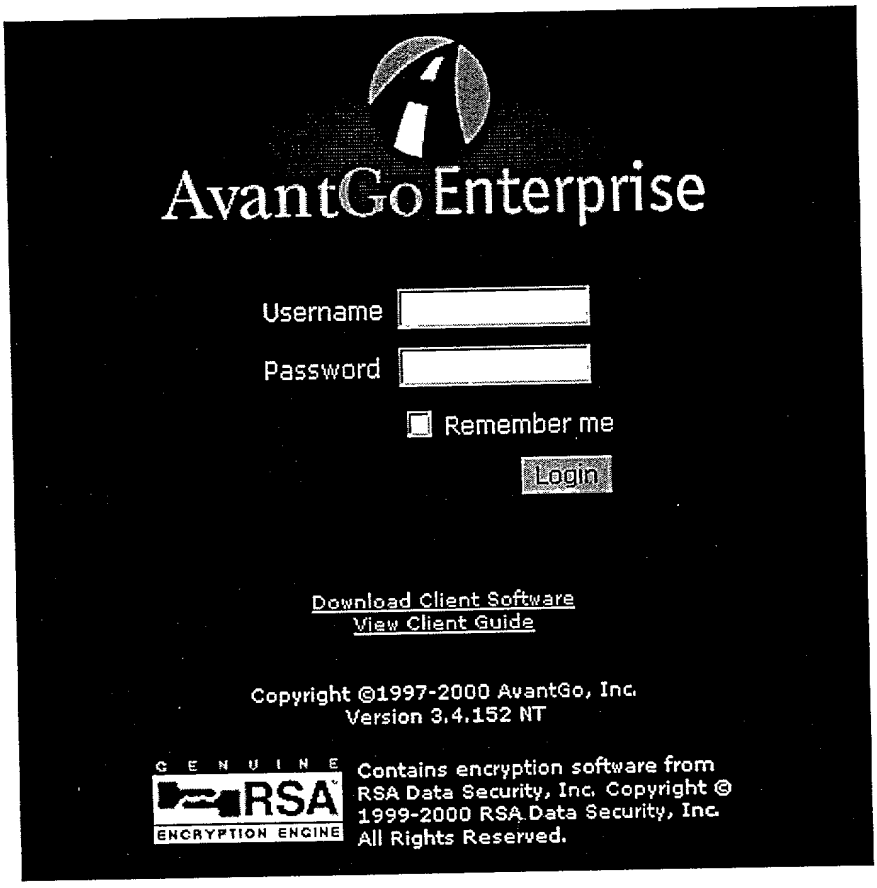


FIG. 27

09092500 - 090900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Username
Password
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View Client Guide
Copyright ©1997-2000 AvantGo, Inc.
Version 3.4.152 NT
GENUINE
RSA
ENCRYPTION ENGINE
Contains encryption software from RSA Data Security, Inc. Copyright © 1999-2000 RSA Data Security, Inc. All Rights Reserved.

FIG. 28

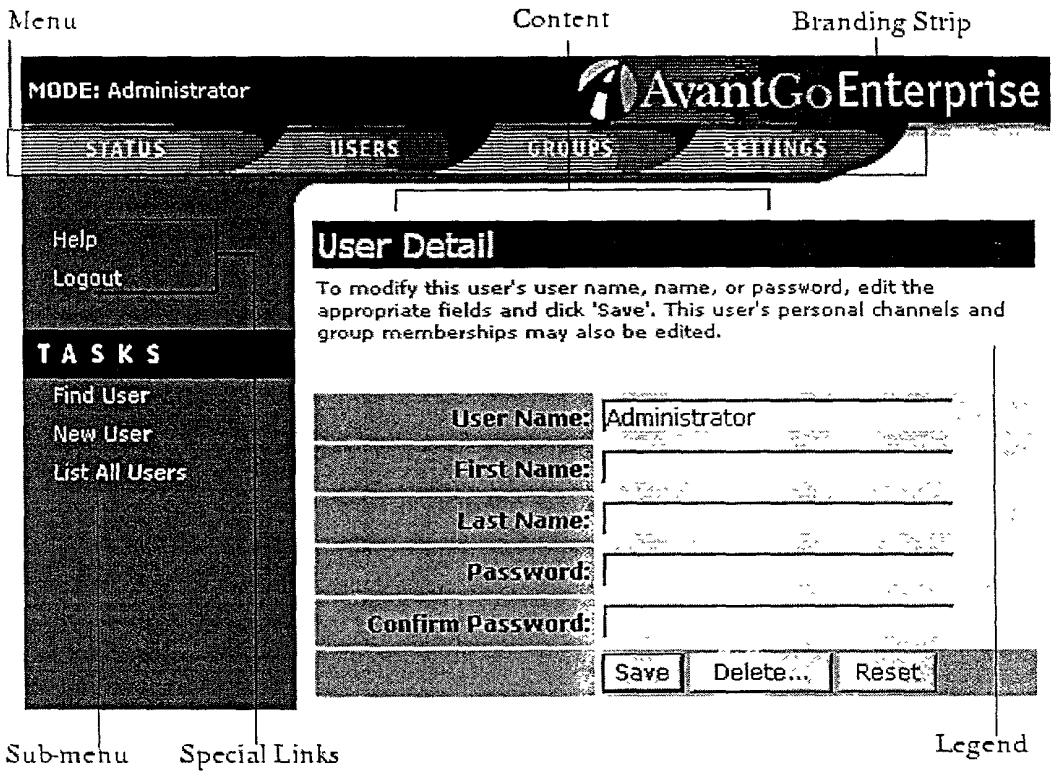

Menu
Content
Branding Strip
MODE: Administrator
AvantGo Enterprise
STATUS
USERS
GROUPS
SETTINGS
Help
Logout
TASKS
Find User
New User
List All Users
User Detail
To modify this user's user name, name, or password, edit the appropriate fields and dick 'Save'. This user's personal channels and group memberships may also be edited.
User Name:
Administrator
First Name:
Last Name:
Password:
Confirm Password:
Save
Delete...
Reset
Sub-menu
Special Links
Legend

FIG. 29

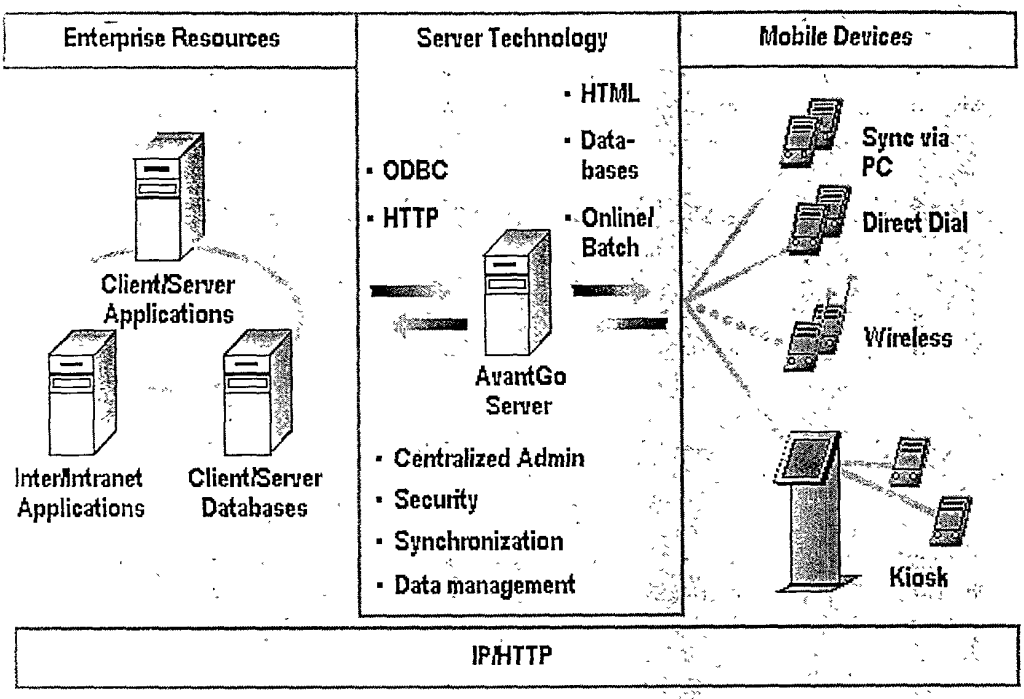


FIG. 30

09090760 - 050802

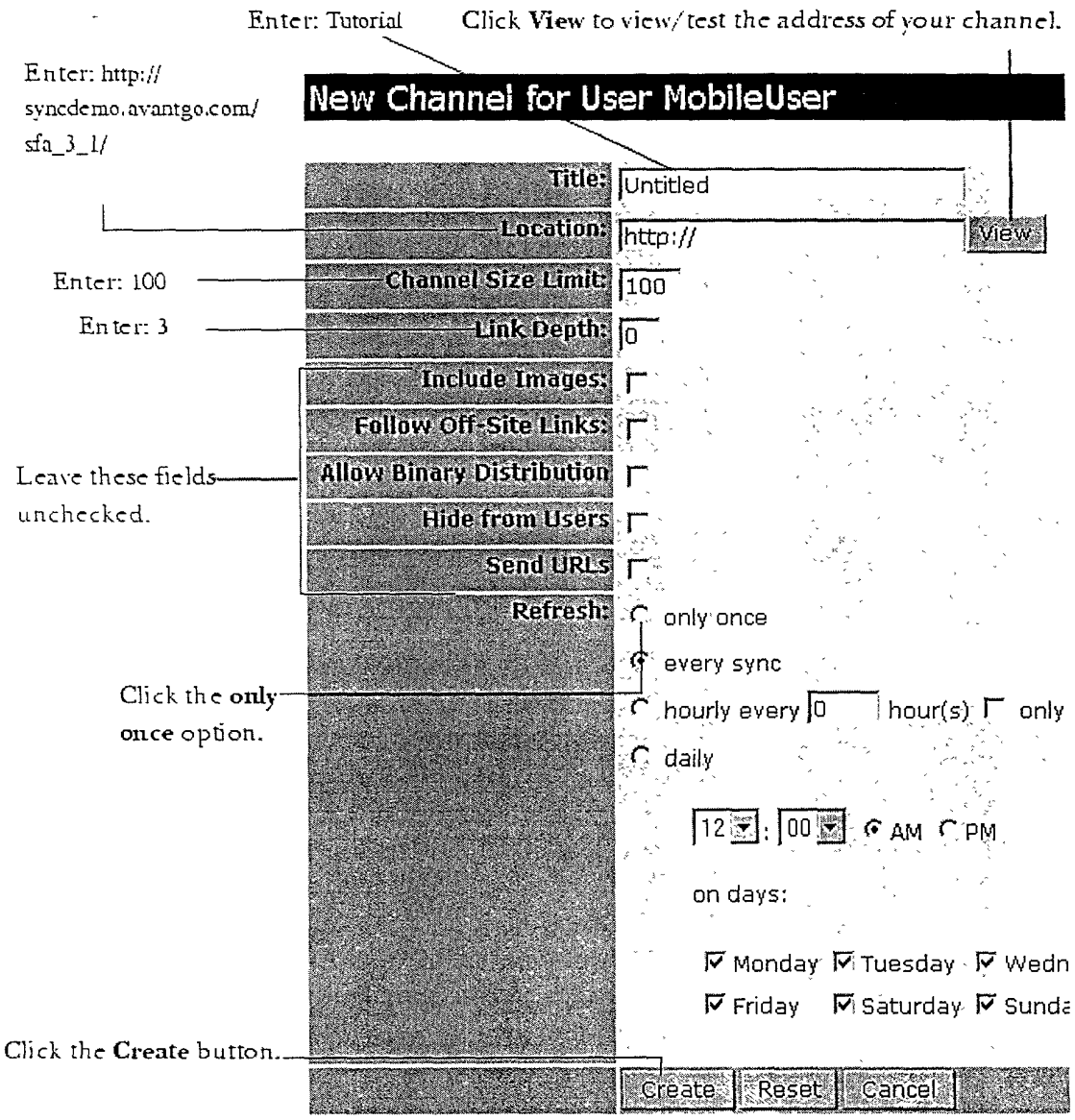


FIG. 31

09850480 - 092804

Refresh:

- (•) on every sync
- ( ) every [0] hour(s)
- ( ) only once
- ( ) daily at [12] : [00] [AM] on the following days:

  ☑ Monday ☑ Tuesday ☑ Wednesday ☑ Thursday

  ☑ Friday ☑ Saturday ☑ Sunday

When finished, click the "Save Channel" button: [Save Channel]

FIG. 32

5,983,268 - 09/09/2004

Update User Membership for Group Travel Itinerary

Manage this group's user memberships by selecting/deselecting the user check boxes and clicking update. To view information about a particular user, click the hyperlink name of the user.

User Name:	
First Name:	
Last Name:	
	Find User

Search Results

FIG. 33

User Name	Name
☐ Joja	John Jack
☑ Natalie	Natalie Doe
☐ new	new test

Update | Reset | Return to Group

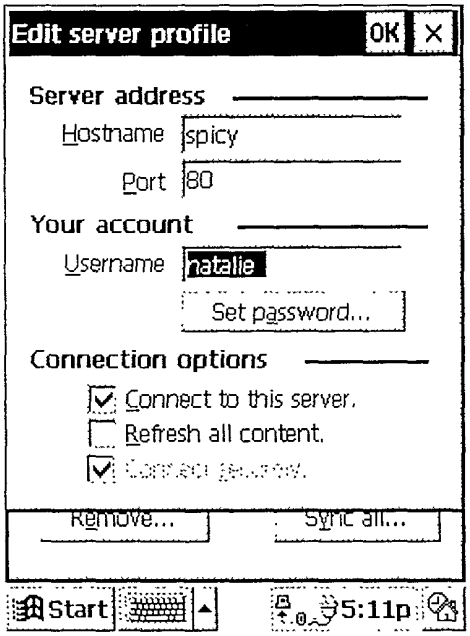


FIG. 34

US 2005/0198299 A1

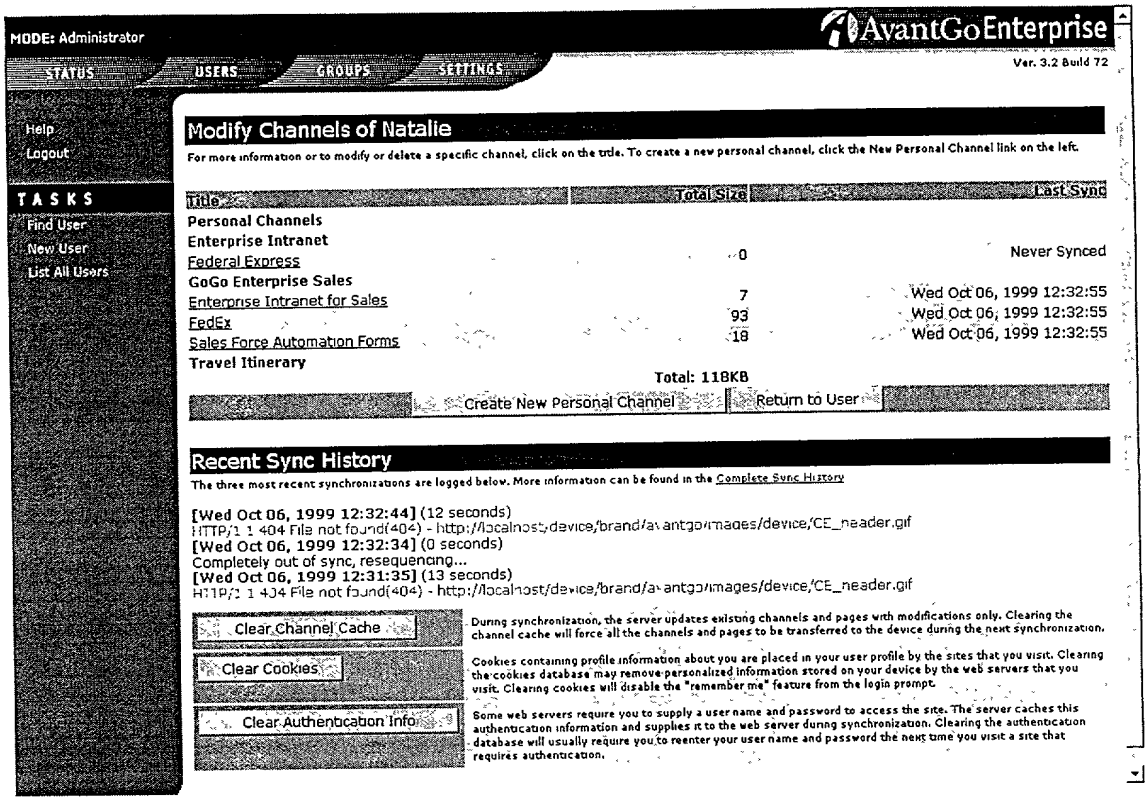

MODE: Administrator
AvantGo Enterprise
Ver. 3.2 Build 72
STATUS
USERS
GROUPS
SETTINGS
Help
Logout
TASKS
Find User
New User
List All Users
Modify Channels of Natalie
For more information or to modify or delete a specific channel, click on the title. To create a new personal channel, click the New Personal Channel link on the left.
Title
Total Size
Last Sync
Personal Channels
Enterprise Intranet
Federal Express
0
Never Synced
GoGo Enterprise Sales
Enterprise Intranet for Sales
7
Wed Oct 06, 1999 12:32:55
FedEx
93
Wed Oct 06, 1999 12:32:55
Sales Force Automation Forms
18
Wed Oct 06, 1999 12:32:55
Travel Itinerary
Total: 118KB
Create New Personal Channel
Return to User
Recent Sync History
The three most recent synchronizations are logged below. More information can be found in the Complete Sync History
[Wed Oct 06, 1999 12:32:44] (12 seconds)
HTTP/1.1 404 File not found(404) - http://localhost/device/brand/avantgo/images/device/CE_header.gif
[Wed Oct 06, 1999 12:32:34] (0 seconds)
Completely out of sync, resequencing...
[Wed Oct 06, 1999 12:31:35] (13 seconds)
HTTP/1.1 404 File not found(404) - http://localhost/device/brand/avantgo/images/device/CE_header.gif
Clear Channel Cache
During synchronization, the server updates existing channels and pages with modifications only. Clearing the channel cache will force all the channels and pages to be transferred to the device during the next synchronization.
Clear Cookies
Cookies containing profile information about you are placed in your user profile by the sites that you visit. Clearing the cookies database may remove personalized information stored on your device by the web servers that you visit. Clearing cookies will disable the "remember me" feature from the login prompt.
Clear Authentication Info
Some web servers require you to supply a user name and password to access the site. The server caches this authentication information and supplies it to the web server during synchronization. Clearing the authentication database will usually require you to reenter your user name and password the next time you visit a site that requires authentication.

FIG. 35

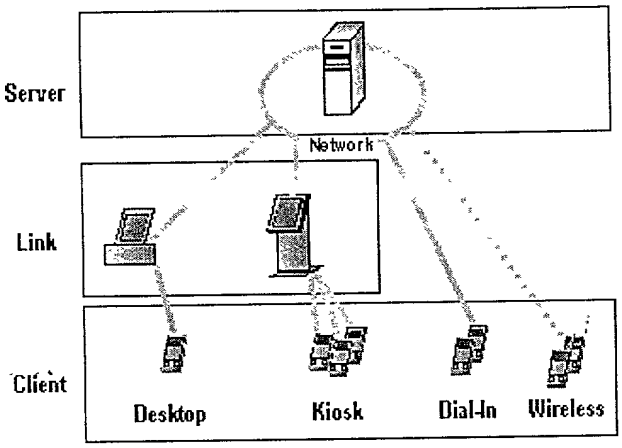


FIG. 3b

Confidential - Do not copy

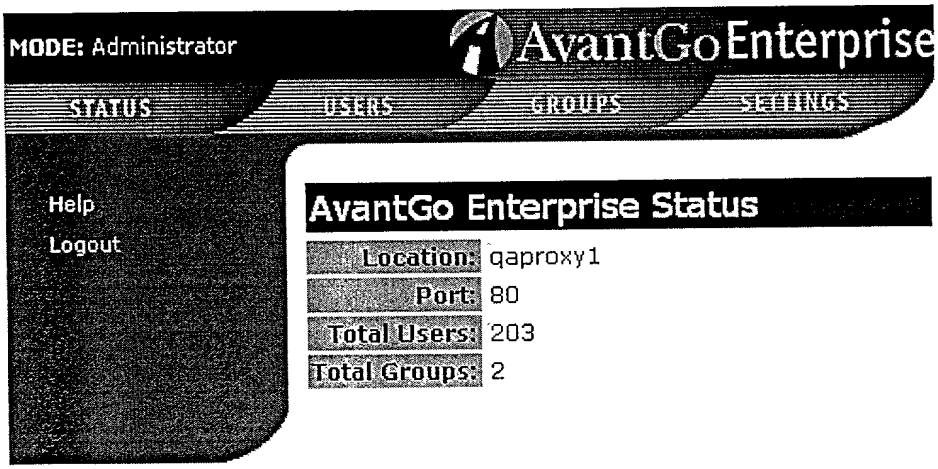

MODE: Administrator
AvantGo Enterprise
STATUS
USERS
GROUPS
SETTINGS
Help
Logout
AvantGo Enterprise Status
Location: qaproxy1
Port: 80
Total Users: 203
Total Groups: 2

FIG. 37

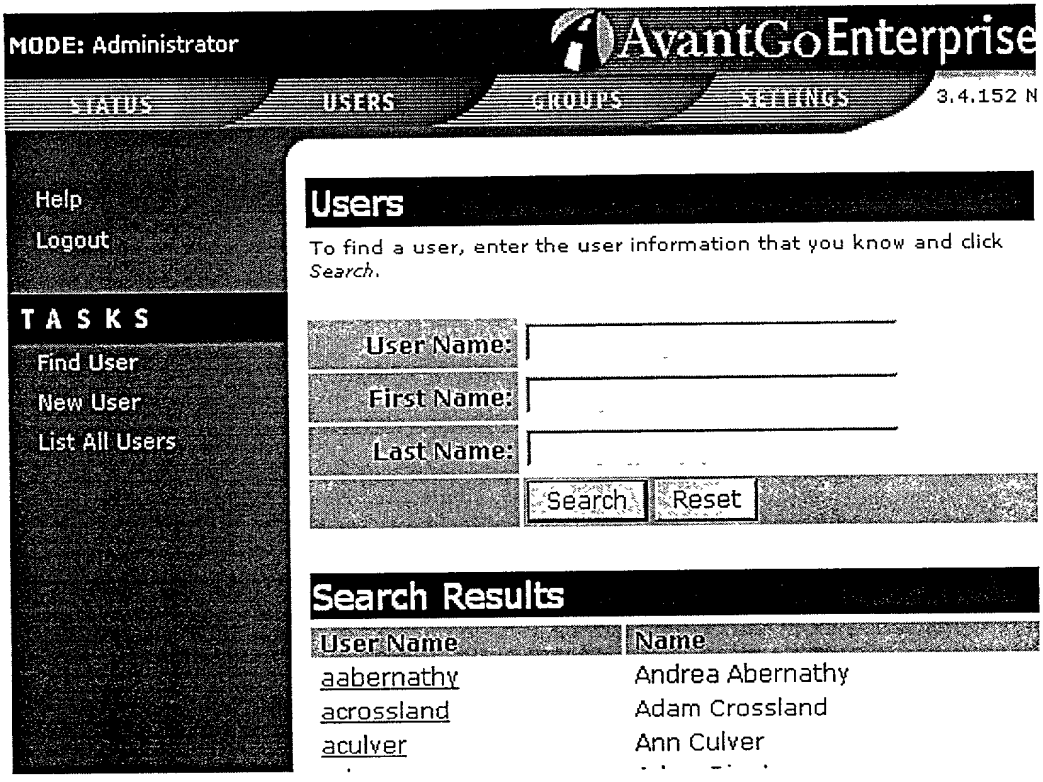

MODE: Administrator
AvantGo Enterprise
STATUS
USERS
GROUPS
SETTINGS
3.4.152 N
Help
Logout
TASKS
Find User
New User
List All Users
Users
To find a user, enter the user information that you know and click Search.
User Name:
First Name:
Last Name:
Search
Reset
Search Results
User Name
Name
aabernathy
Andrea Abernathy
acrossland
Adam Crossland
aculver
Ann Culver

FIG. 38

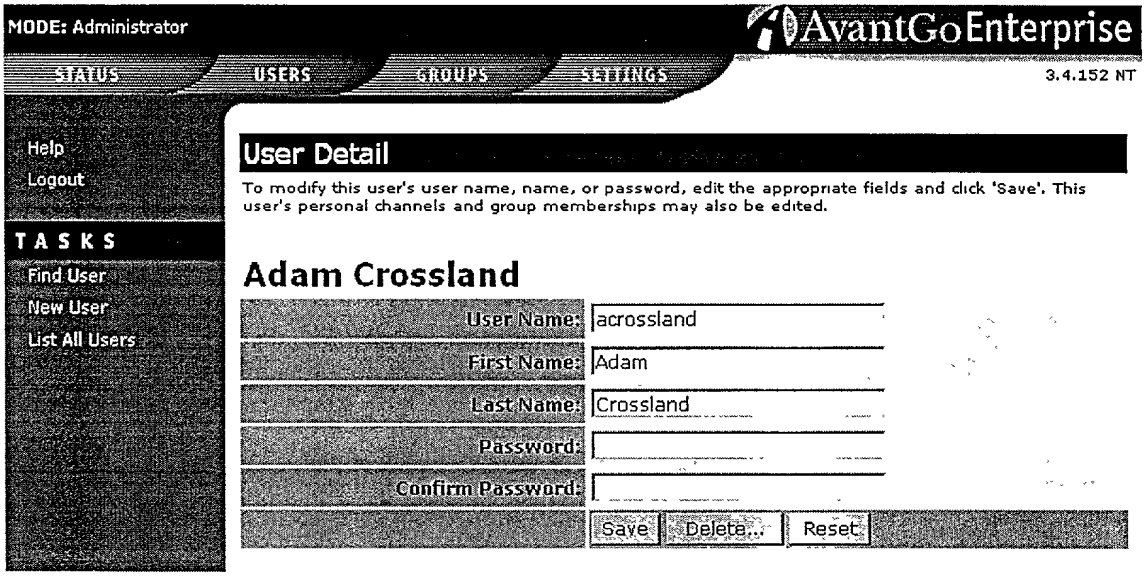


FIG. 39

US 2002/0078150 A1

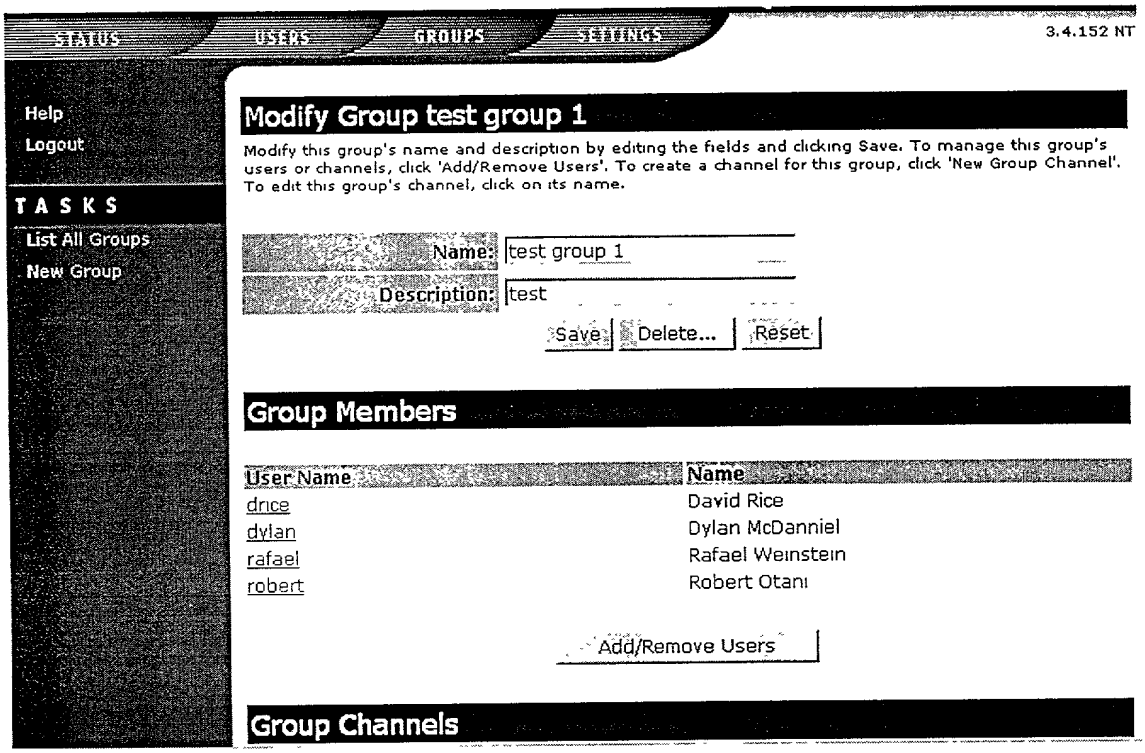

STATUS
USERS
GROUPS
SETTINGS
3.4.152 NT
Help
Logout
TASKS
List All Groups
New Group
Modify Group test group 1
Modify this group's name and description by editing the fields and clicking Save. To manage this group's users or channels, click 'Add/Remove Users'. To create a channel for this group, click 'New Group Channel'. To edit this group's channel, click on its name.
Name:
test group 1
Description:
test
Save
Delete...
Reset
Group Members
User Name
Name
drice
David Rice
dylan
Dylan McDanniel
rafael
Rafael Weinstein
robert
Robert Otani
Add/Remove Users
Group Channels

FIG. 40

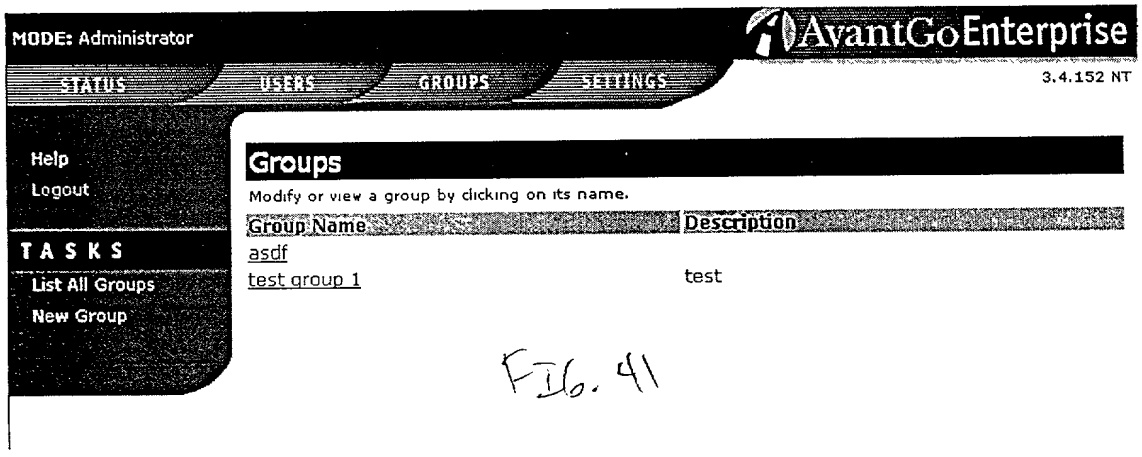

MODE: Administrator
AvantGoEnterprise
STATUS
USERS
GROUPS
SETTINGS
3.4.152 NT
Help
Logout
TASKS
List All Groups
New Group
Groups
Modify or view a group by clicking on its name.
Group Name
Description
asdf
test group 1
test

FIG. 41

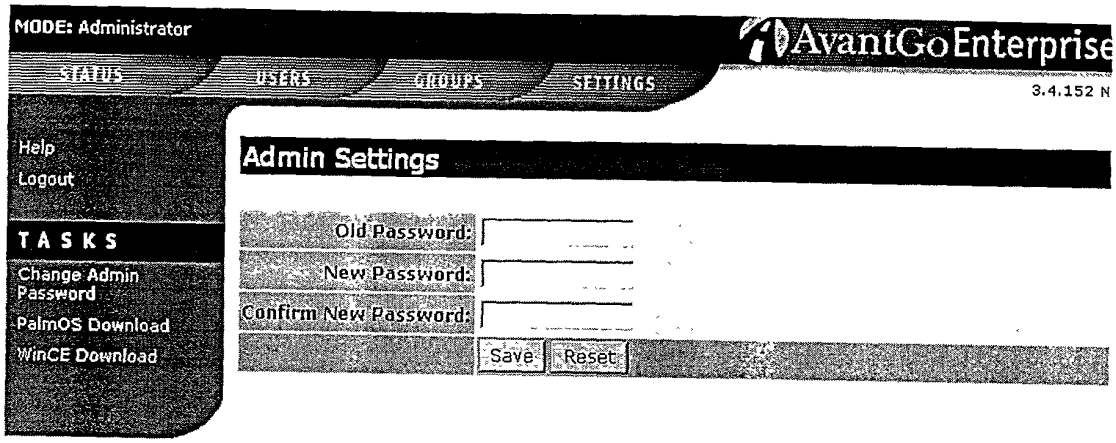


FIG. 42

Confidential - Do Not Copy

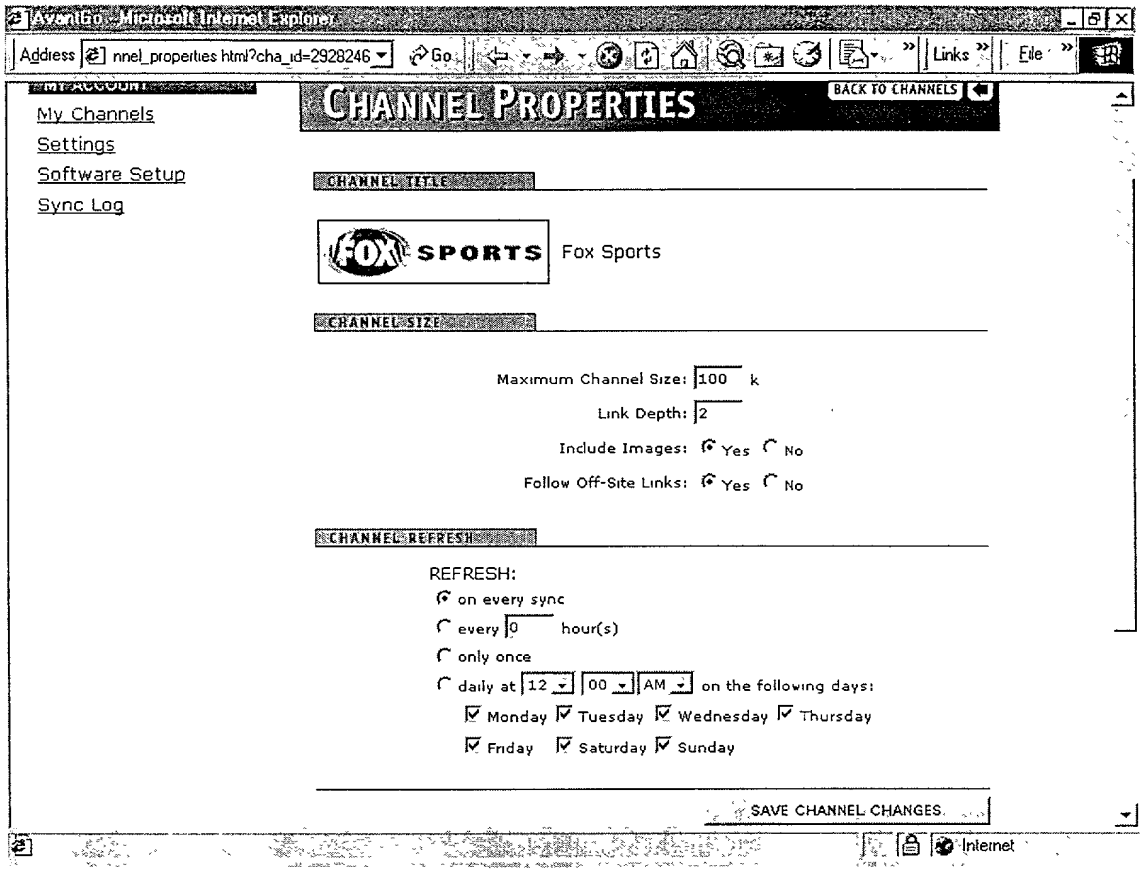

Address
nnel_properties.html?cha_id=2928246
Go
Links
File
My Channels
Settings
Software Setup
Sync Log
CHANNEL PROPERTIES
BACK TO CHANNELS
CHANNEL TITLE
FOX SPORTS
Fox Sports
CHANNEL SIZE
Maximum Channel Size: 100 k
Link Depth: 2
Include Images: Yes No
Follow Off-Site Links: Yes No
CHANNEL REFRESH
REFRESH:
on every sync
every 0 hour(s)
only once
daily at 12 00 AM on the following days:
Monday Tuesday Wednesday Thursday
Friday Saturday Sunday
SAVE CHANNEL CHANGES
Internet

FIG. 43

AvantGo

Welcome, dkoehn68

Log out

MY ACCOUNT

- My Channels
- Settings
- Software Setup
- Sync Log

AUTOCHANNEL™

BACK TO CHANNELS

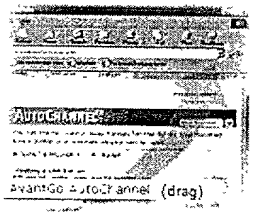
You can create AvantGo AutoChannels "on the fly" for your handheld from a button or a bookmark on your web browser.

INTERNET EXPLORER 4.0 OR HIGHER

Creating a Link Button

With your links toolbar visible, drag the AvantGo AutoChannel™ link below to the toolbar. Clicking on the button while browsing a website will let you add that website to your handheld device.

Drag this link: AvantGo AutoChannel



Creating a Bookmark

Right-click on AvantGo AutoChannel™ link below and select "Add to Favorites...". Choosing this in your favorites will let you add the website you are browsing as an AvantGo channel on your handheld.

Right-click this link: AvantGo AutoChannel

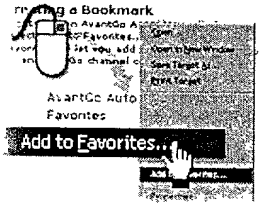


FIG. 44

US 6,993,564 B2

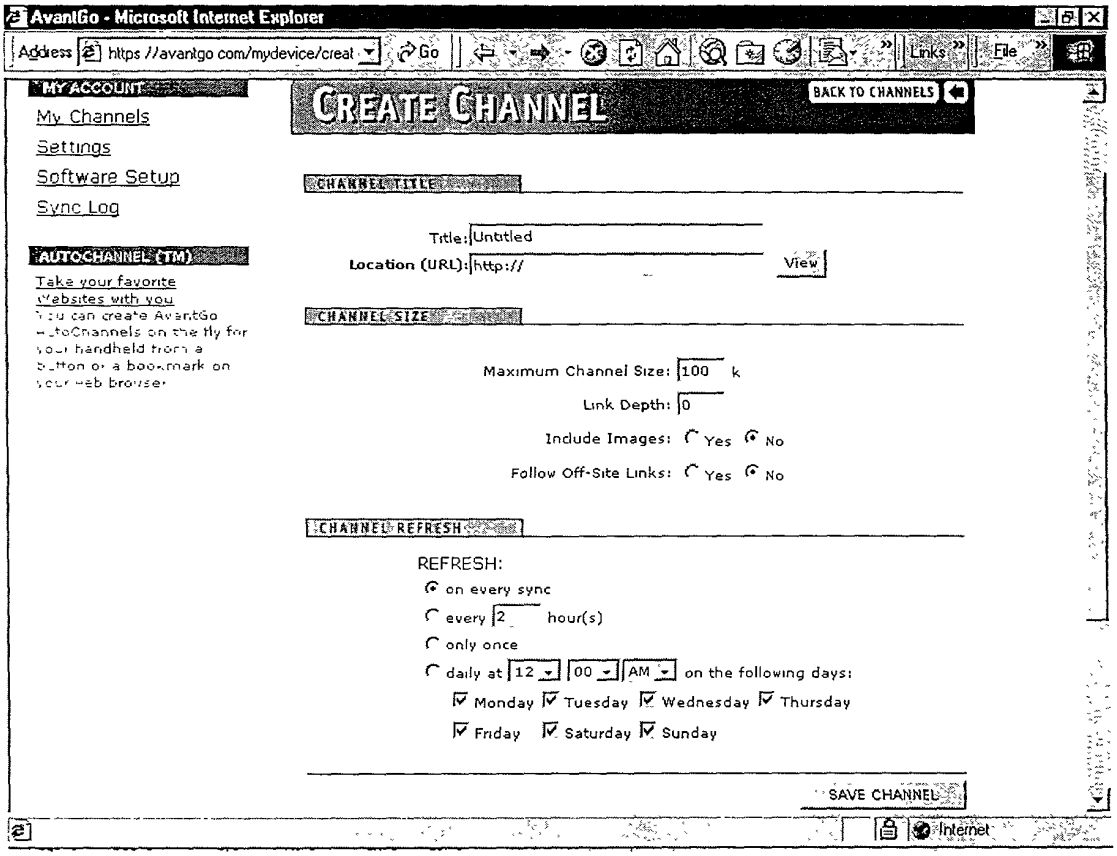

AvantGo - Microsoft Internet Explorer
Address https //avantgo com/mydevice/creat
Go
Links
File
MY ACCOUNT
My Channels
Settings
Software Setup
Sync Log
AUTOCHANNEL (TM)
Take your favorite Websites with you
You can create AvantGo AutoChannels on the fly for your handheld from a button or a bookmark on your web browser
CREATE CHANNEL
BACK TO CHANNELS
CHANNEL TITLE
Title: Untitled
Location (URL): http://
View
CHANNEL SIZE
Maximum Channel Size: 100 k
Link Depth: 0
Include Images: Yes No
Follow Off-Site Links: Yes No
CHANNEL REFRESH
REFRESH:
on every sync
every 2 hour(s)
only once
daily at 12 00 AM on the following days:
Monday Tuesday Wednesday Thursday
Friday Saturday Sunday
SAVE CHANNEL
Internet

FIG. 45

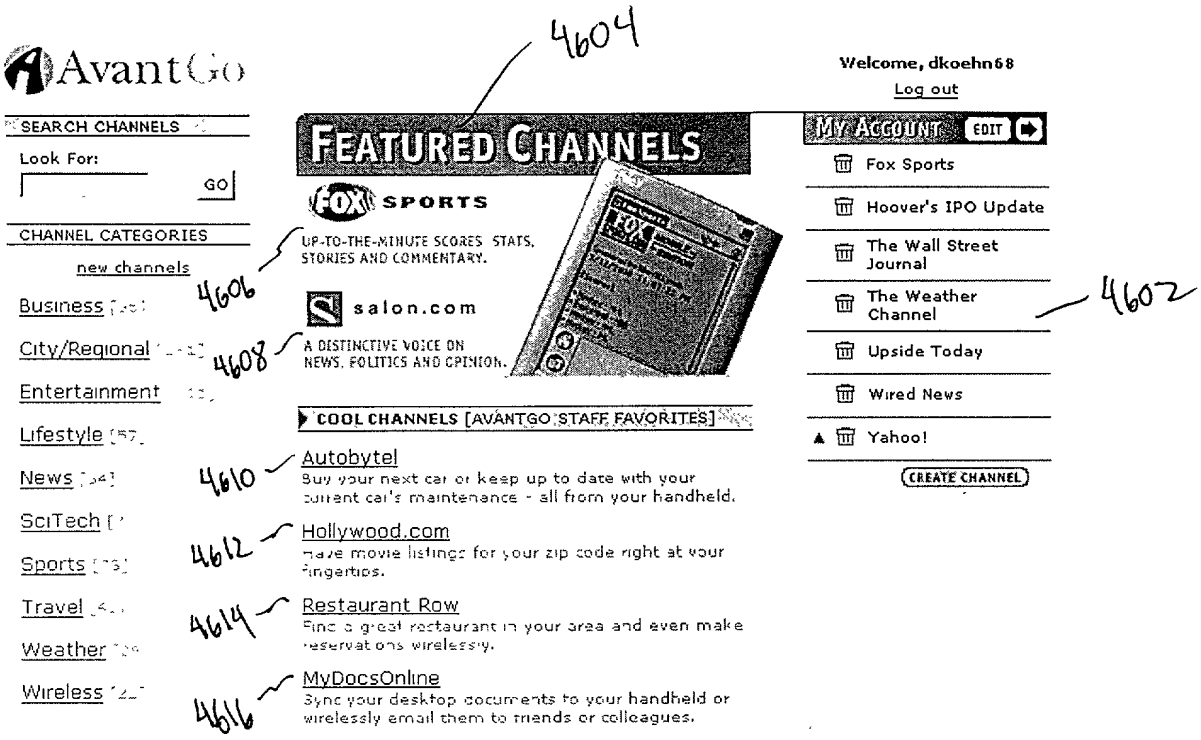


FIG. 46

Google Exhibit 1008

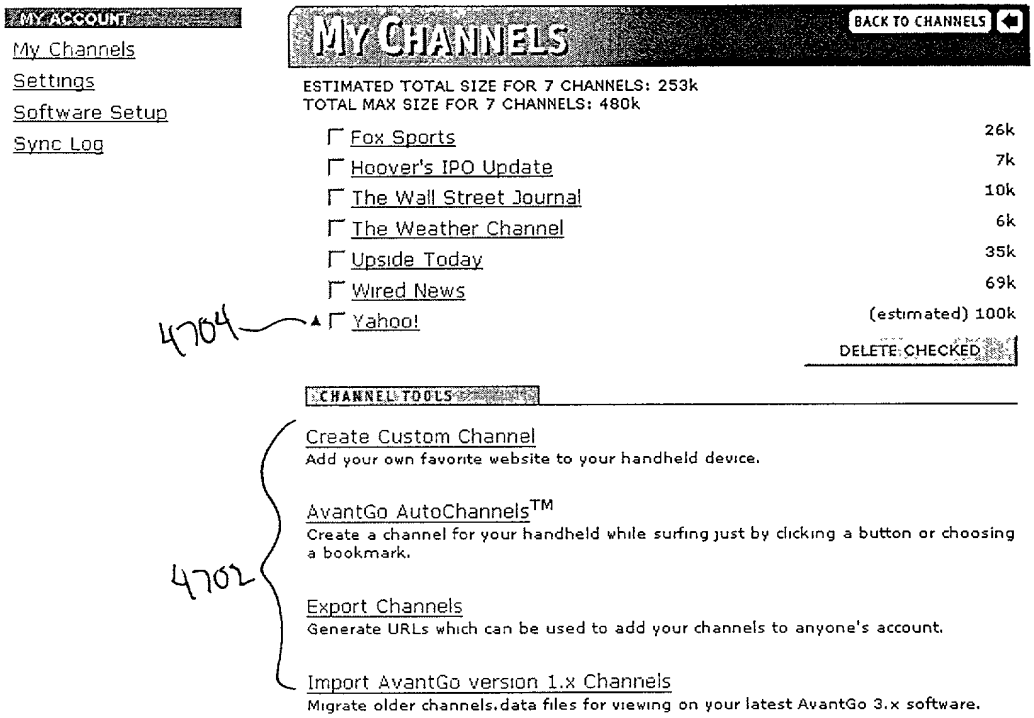


FIG. 47

Document - Confidential

MY ACCOUNT

My Channels
Settings
Software Setup
Sync Log

ACCOUNT SETTINGS

BACK TO CHANNELS

CHANGE PASSWORD

You will be asked to update changes to your device from this website. If you've forgotten your password, you can request a password reset.

Old Password:

New password:

Confirm password:

Change password

CHANGE EMAIL ADDRESS

This is where password reset messages will be sent if you forget your username or password.

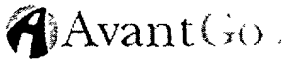
Password:

New email address: dkoehn@avantgo.cc

Submit

FIG. 48

Sonos Exhibit 2005
Page 2 of 2



Welcome, dkoehn68
Log out

MY ACCOUNT
My Channels
Settings
Software Setup
Sync Log

SOFTWARE SETUP

BACK TO CHANNELS

- Download AvantGo Palm OS Client (Windows)
- Download AvantGo Windows(R) CE Client (Windows)
- Download AvantGo Connect™ (Macintosh)
- Configure Mobile Application Link

To check your AvantGo Client version:

Tap *Tools* > *About AvantGo* on CE

or

Menu > *Options* > *About AvantGo* on Palm Devices.

The About AvantGo panel appears. On the bottom left is your version number.

Update

FIG. 49

Exhibit 2004

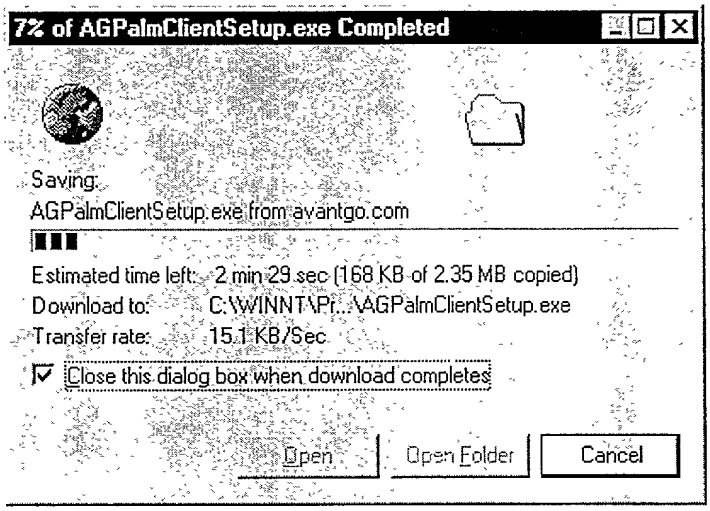

7% of AGPalmClientSetup.exe Completed
Saving:
AGPalmClientSetup.exe from avantgo.com
Estimated time left: 2 min 29 sec (168 KB of 2.35 MB copied)
Download to: C:\WINNT\Pr...\AGPalmClientSetup.exe
Transfer rate: 15.1 KB/Sec
Close this dialog box when download completes
Open
Open Folder
Cancel

FIG. 50

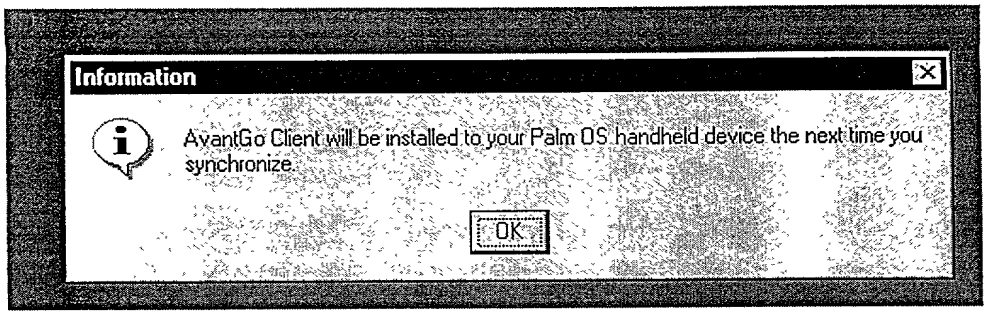


FIG. 51

Docket No. 0005.0001

AvantGo

SETUP CHECKLIST

DOWNLOAD

► INSTALL

SYNCHRONIZE

CREATE ACCOUNT

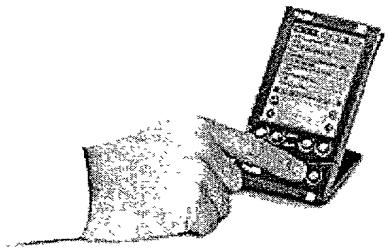
CONFIGURE

NEXT

SYNCHRONIZE

Place your device in its cradle and press the HotSync button.

When you synchronize, AvantGo 3.x will be installed on your device. After synchronization is complete, click the "Next" button at the bottom of the page.



NEXT >>

FIG. 52

Confidential - Confidential

AvantGo

SETUP CHECKLIST

- DOWNLOAD
- INSTALL
- SYNCHRONIZE
- ► CREATE ACCOUNT
- CONFIGURE
- SYNCHRONIZE

USE EXISTING ACCOUNT?

Select below to use this account or to create a new one

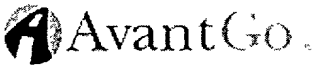
Username: **dkoehn68**
Email: **dkoehn@avantgo.com**

(•) Use this account
( ) Create a new account

NEXT >>

FIG. 53

D08054B0 - 0000801



SETUP CHECKLIST

DOWNLOAD

INSTALL

SYNCHRONIZE

► CONFIGURE

SYNCHRONIZE

CONFIGURE MOBILE LINK

Click the link below to configure Mobile Link™

By clicking below, you will ensure your AvantGo 3.x software is communicating properly with AvantGo's servers.

CLICK HERE TO CONFIGURE — 5402

NEXT >>

FIG. 54

Confidential - Subject to Protective Order

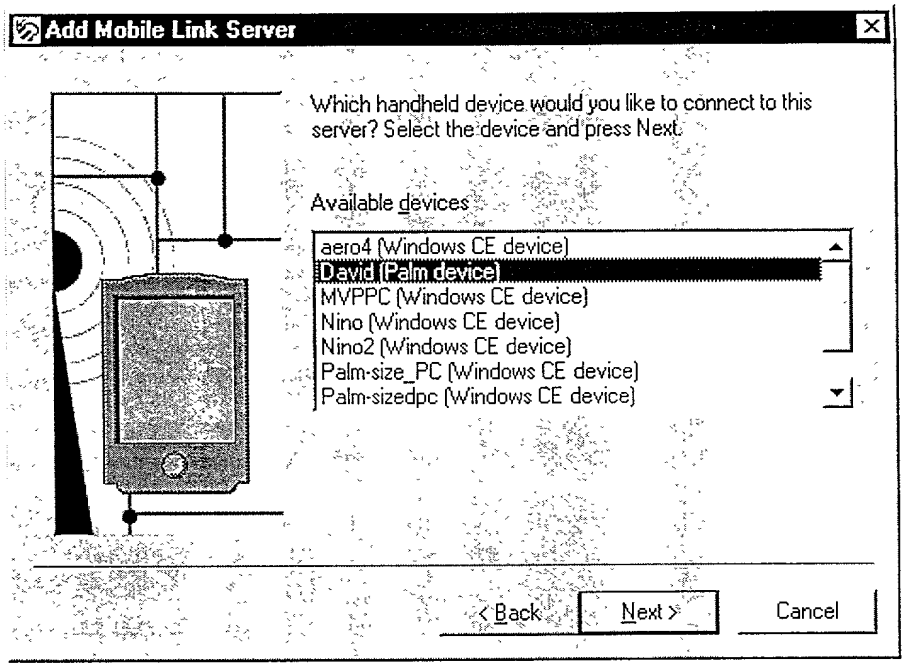


FIG. 55

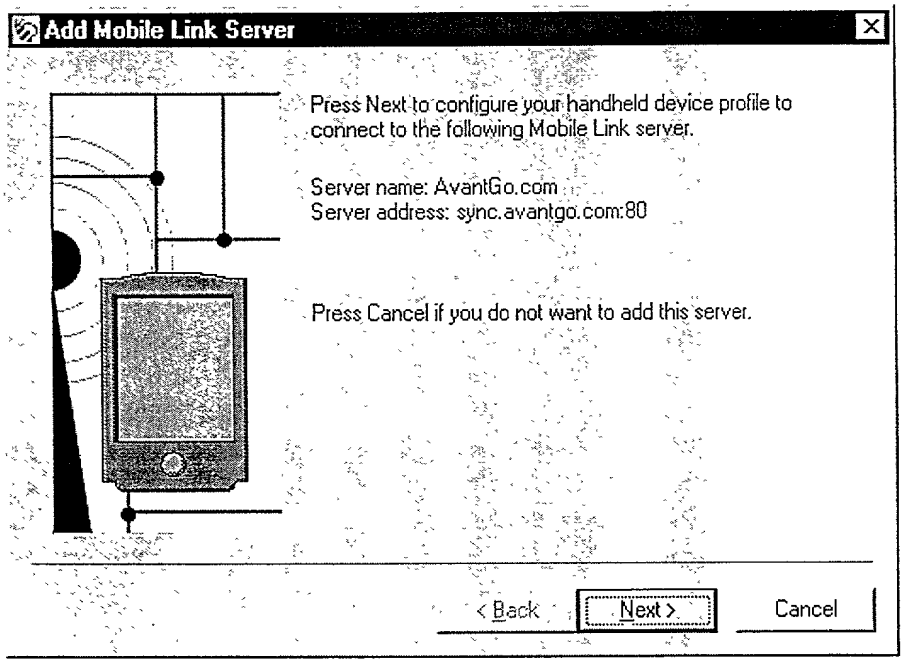


FIG. 56

0000000-000000

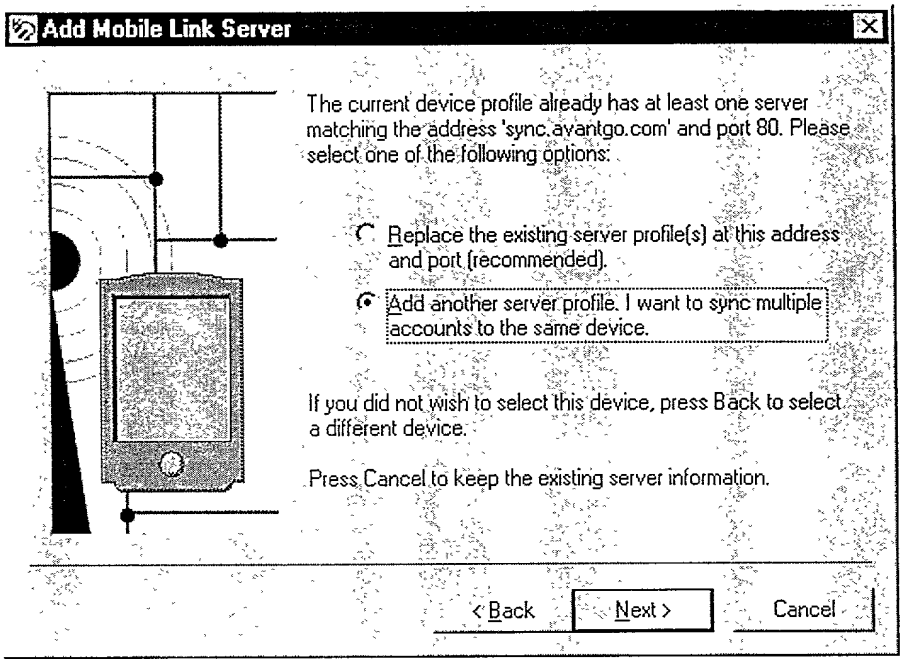

Add Mobile Link Server
The current device profile already has at least one server matching the address 'sync.avantgo.com' and port 80. Please select one of the following options:
Replace the existing server profile(s) at this address and port (recommended).
Add another server profile. I want to sync multiple accounts to the same device.
If you did not wish to select this device, press Back to select a different device.
Press Cancel to keep the existing server information.
< Back
Next >
Cancel

FIG. 57

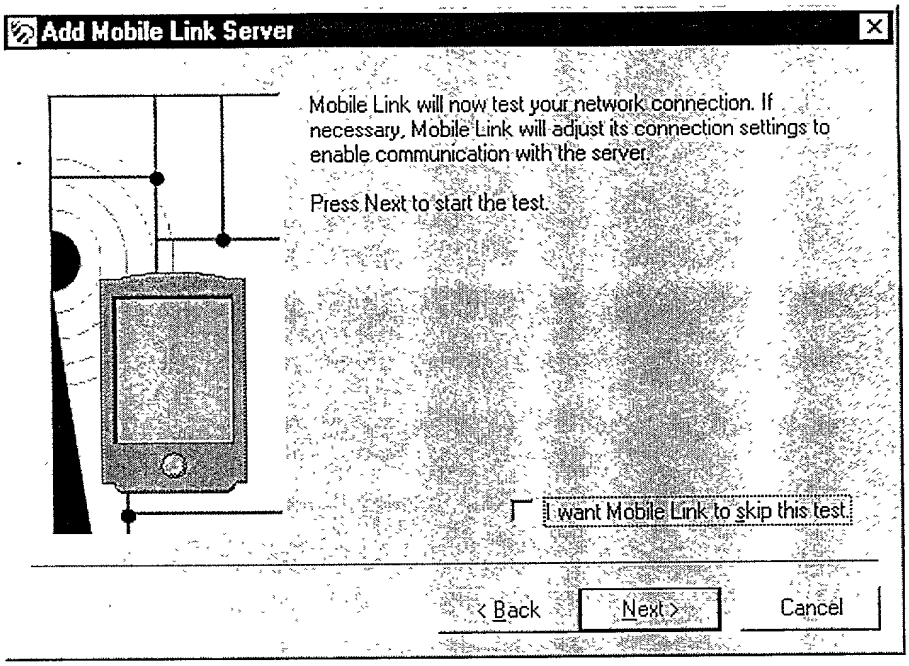


FIG. 58

5,809,250 - 09/15/1998

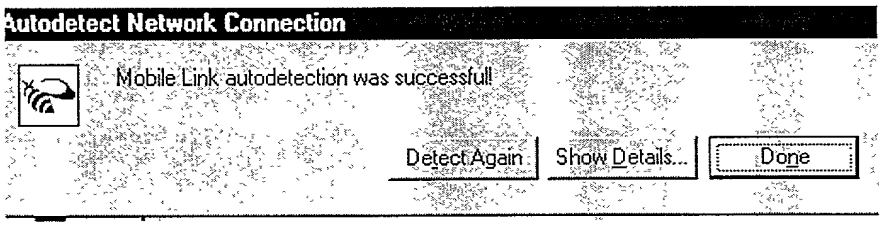


FIG. 59

5,555,178 - 09/10/96

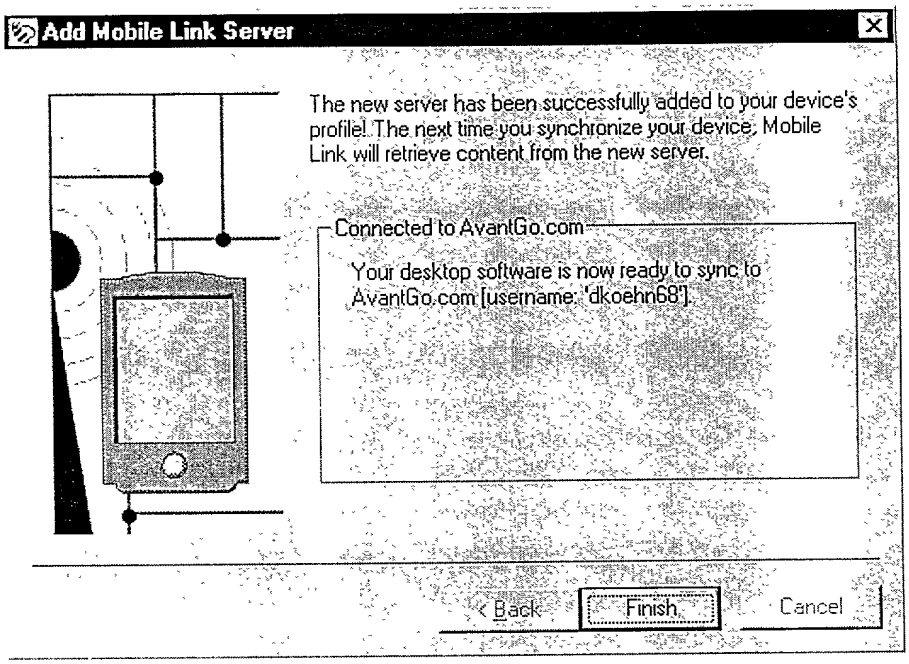


FIG. 60

6,868,380 - 03/15/2005

AvantGo

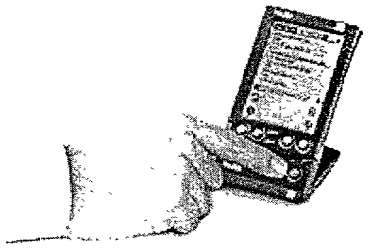
SETUP CHECKLIST

- [illegible]
- [illegible]
- [illegible]
- CREATE ACCOUNT
- [illegible]
- ► SYNCHRONIZE

SYNCHRONIZE

Place your device in its cradle and press the HotSync button

When you synchronize, your AvantGo 3.x software will connect to the Avantgo servers for the first time. After synchronization is complete, click the "Next" button at the bottom of the page.



NEXT >>

FIG. 61

D0000400 - 000000

AvantGo

SETUP CHECKLIST

- ✓ DOWNLOAD
- INSTALL
- SYNCHRONIZE
- CREATE ACCOUNT
- CONFIGURE
- SYNCHRONIZE

CONGRATULATIONS!

You are now an AvantGo user

Pick up your device, click on the "applications" button and select AvantGo to begin navigating channels. Use the links below to begin navigating AvantGo.

CHANNELS
Choose from 1000s of exciting channels from leading providers

ACCOUNT
View and edit your personalized account settings

FINISH >>

FIG. 62

Sample - Confidential

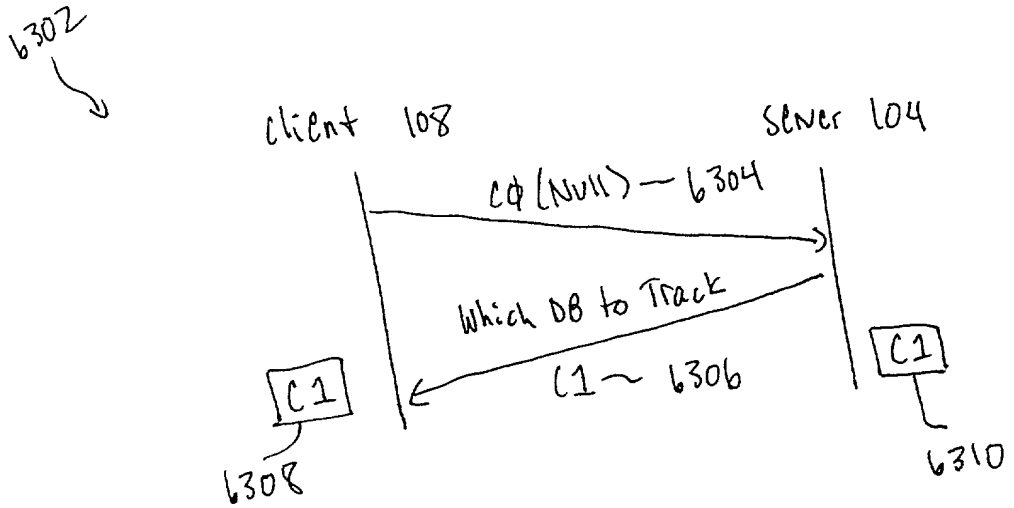


FIG. 63A

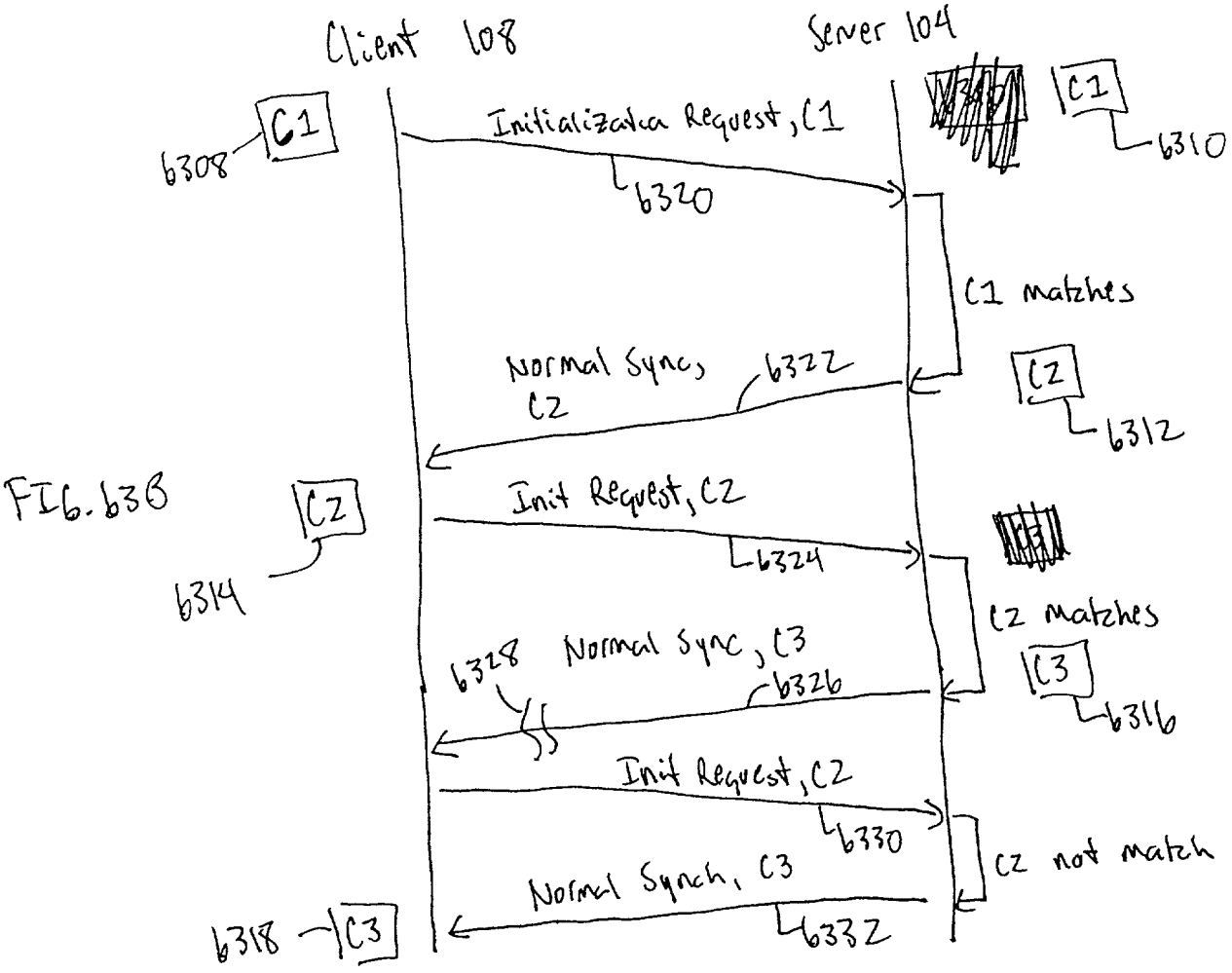


FIG. 63B